

660750-55T60E60

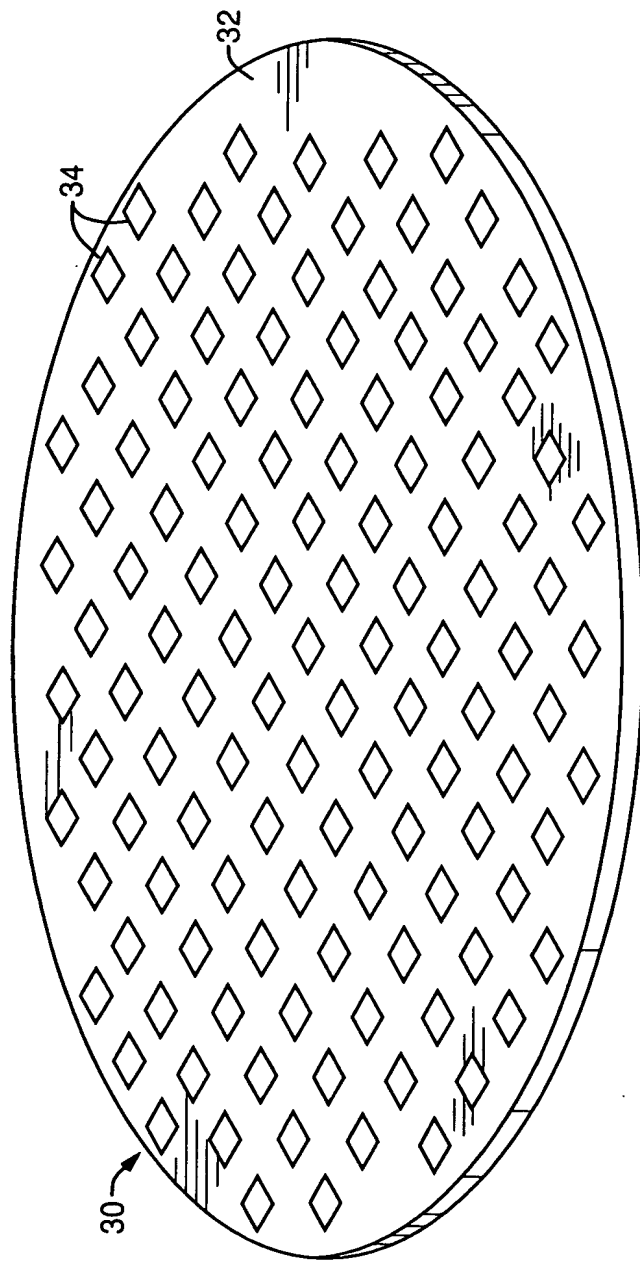


FIG. 1

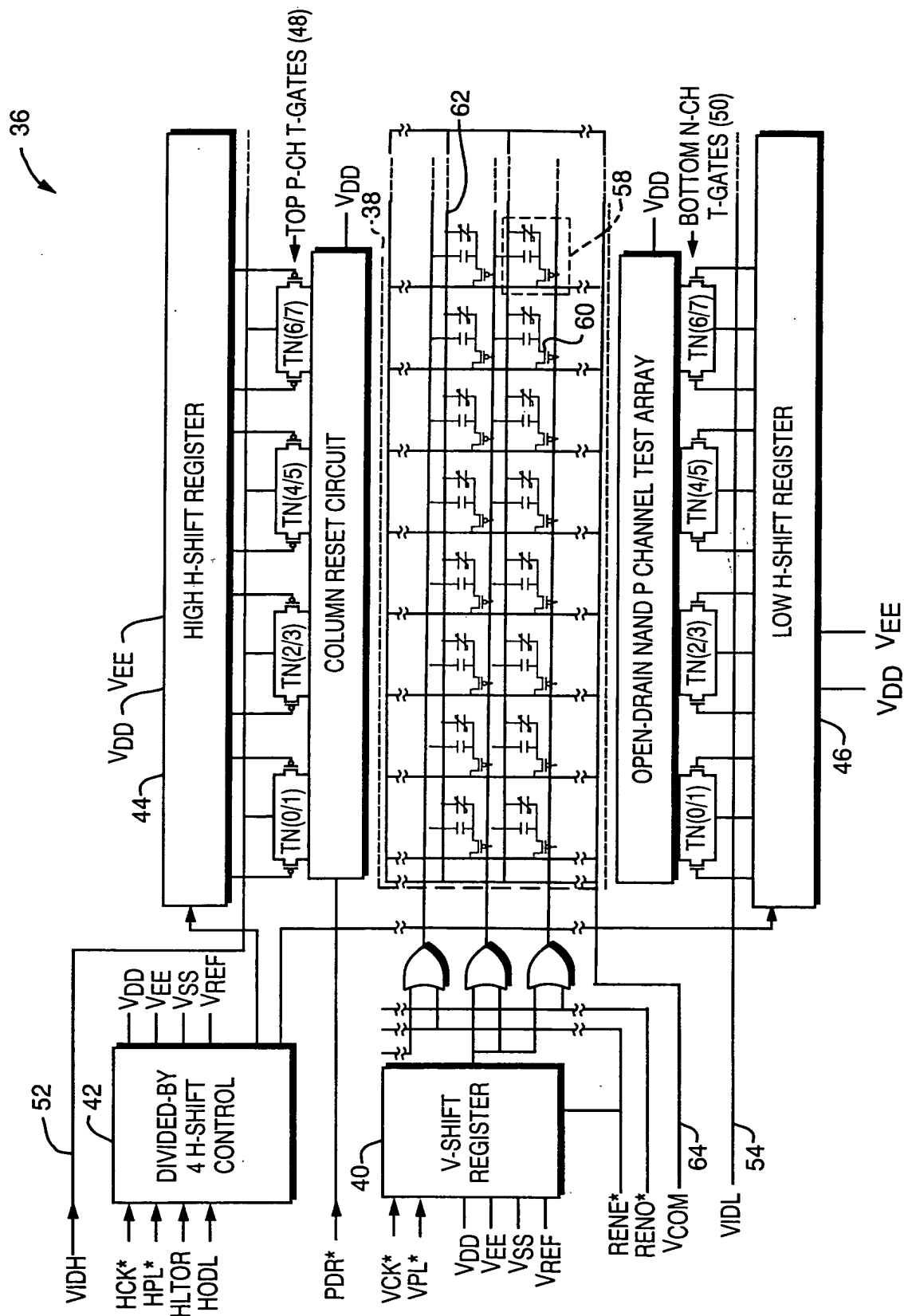


FIG. 2A

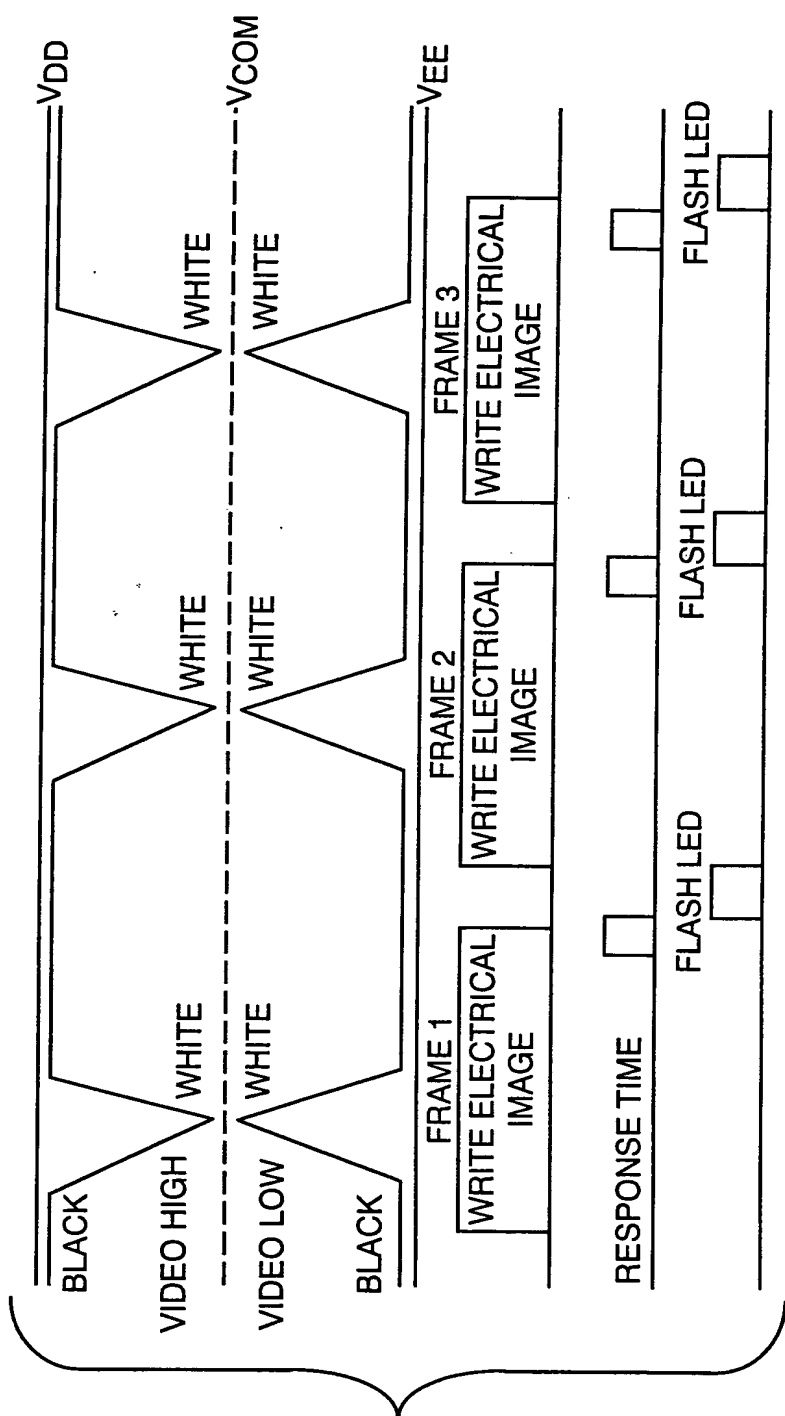


FIG. 2B

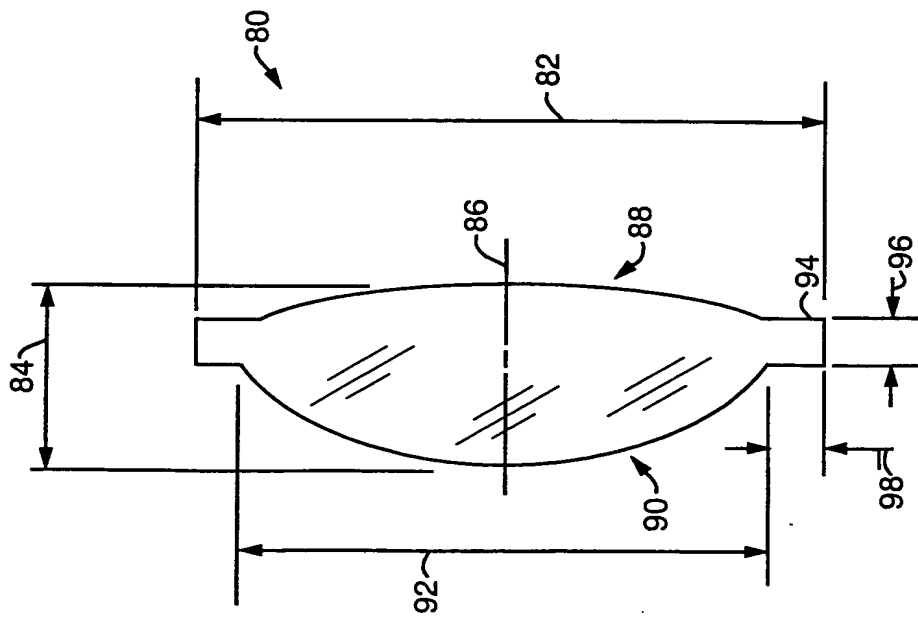


FIG. 3A

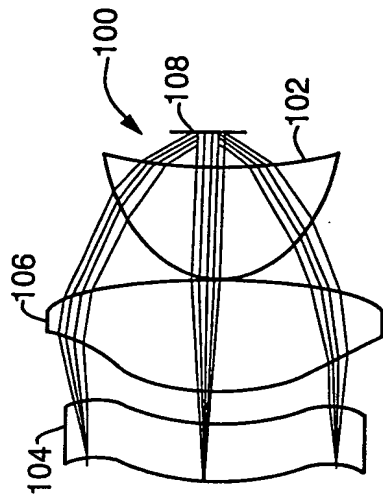


FIG. 3B

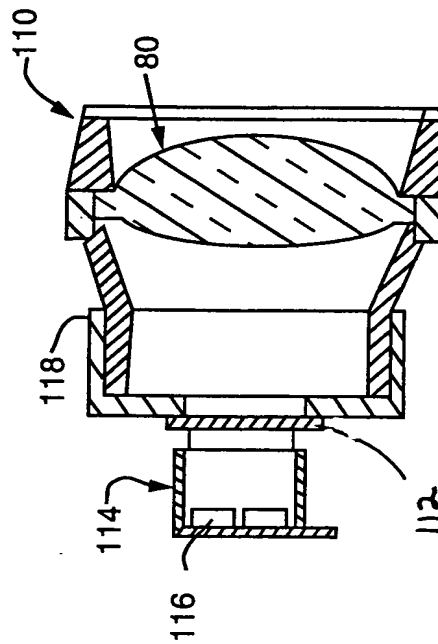


FIG. 3C

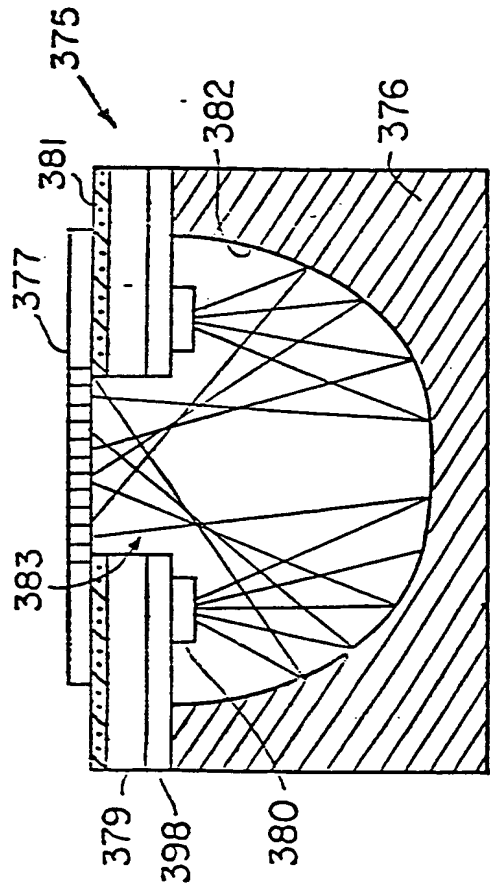


FIG. 3E

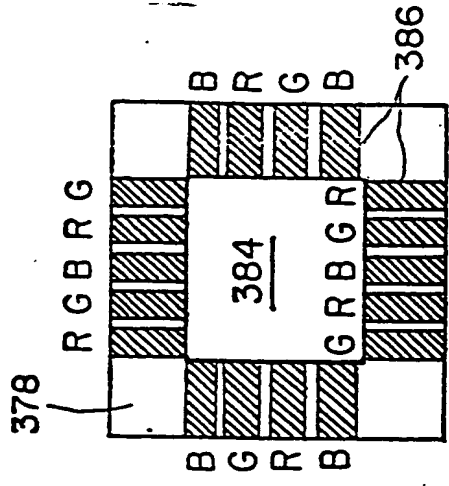


FIG. 3F

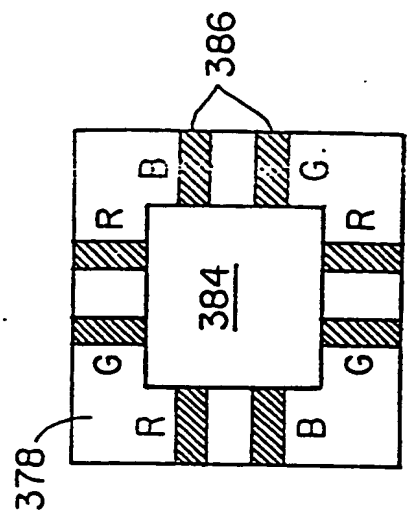


FIG. 3G

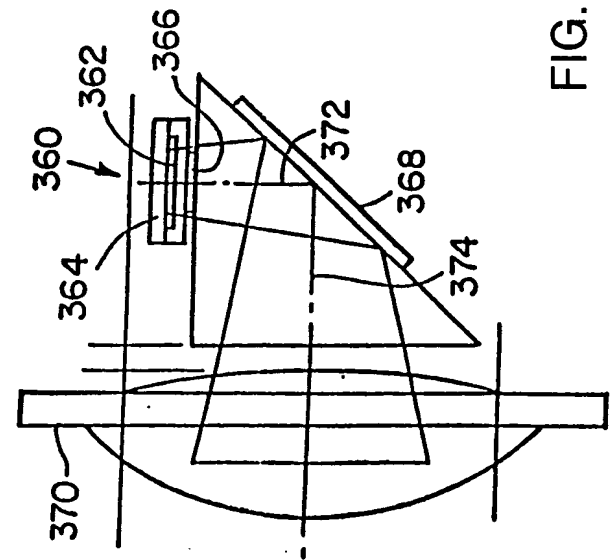


FIG. 3D

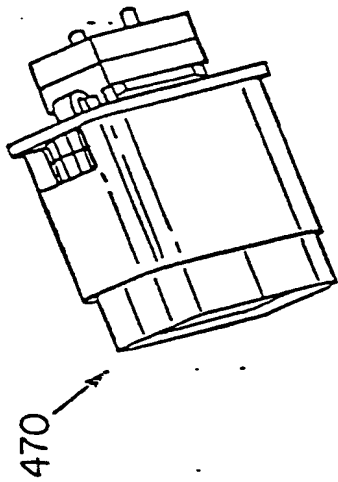


FIG. 3H

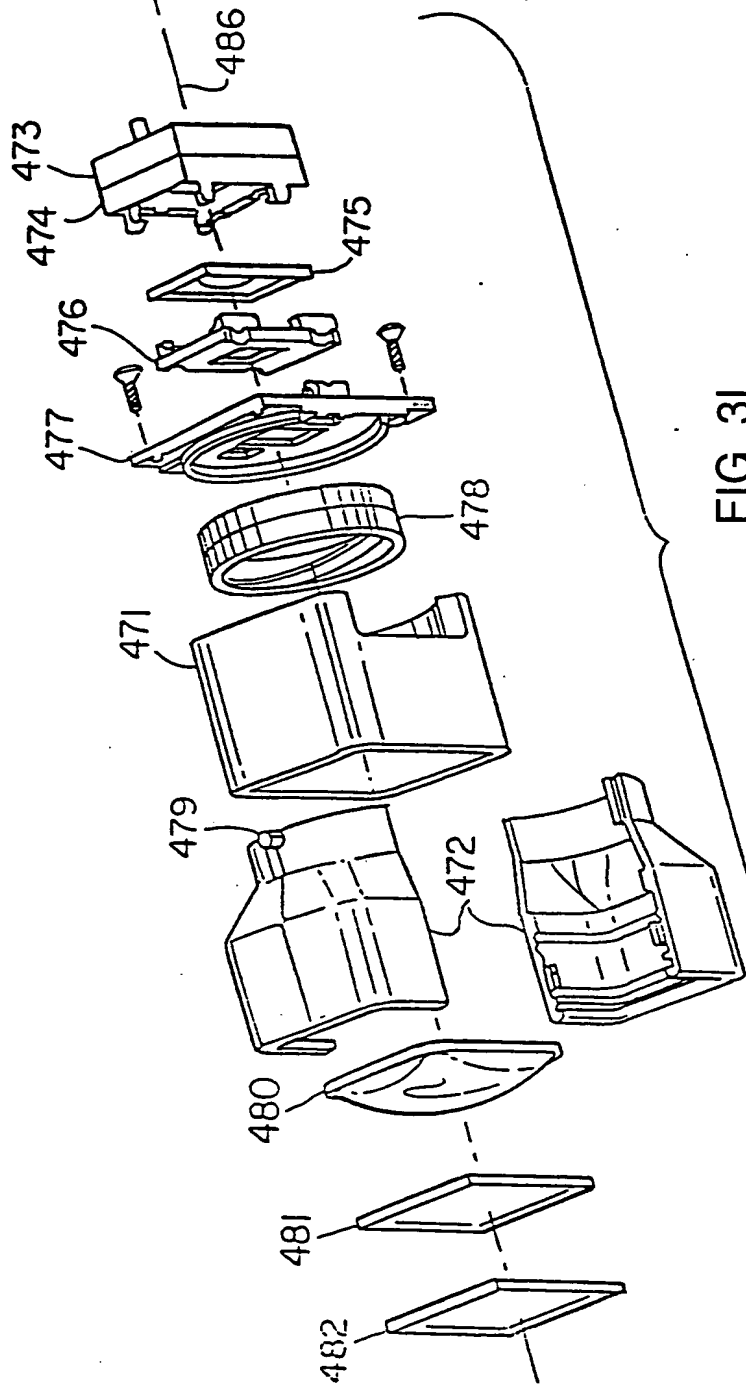


FIG. 3I

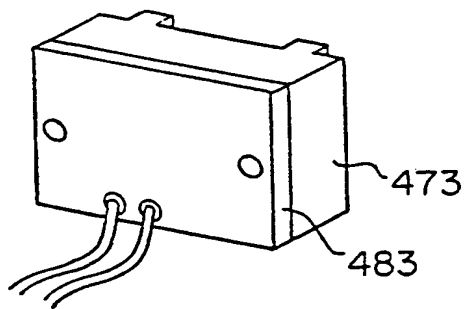
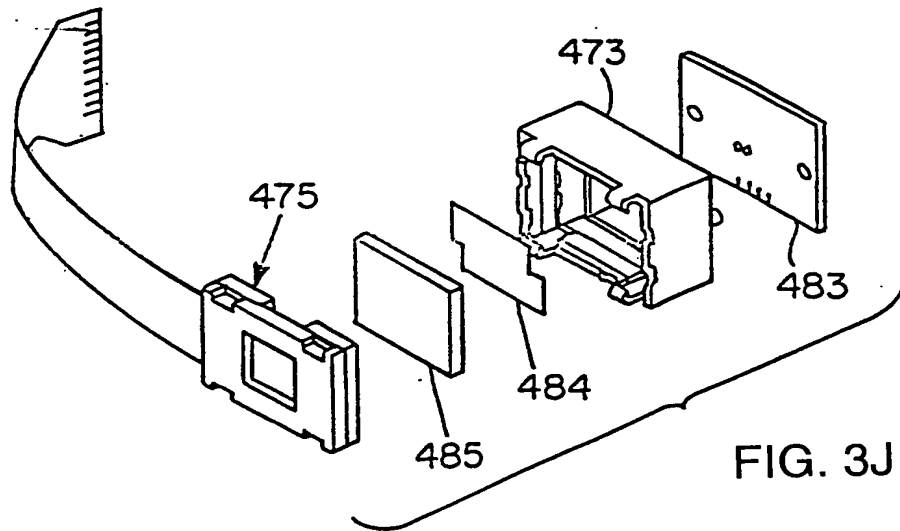


FIG. 3K

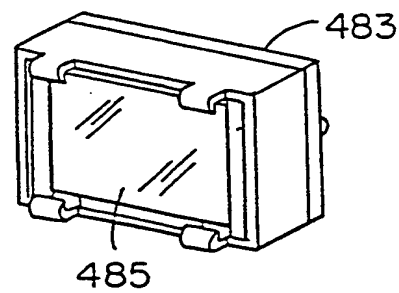


FIG. 3L

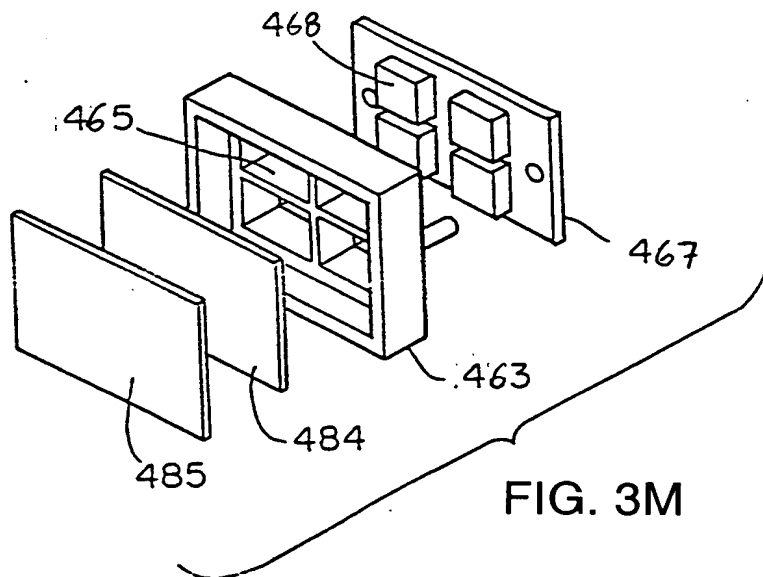


FIG. 3M

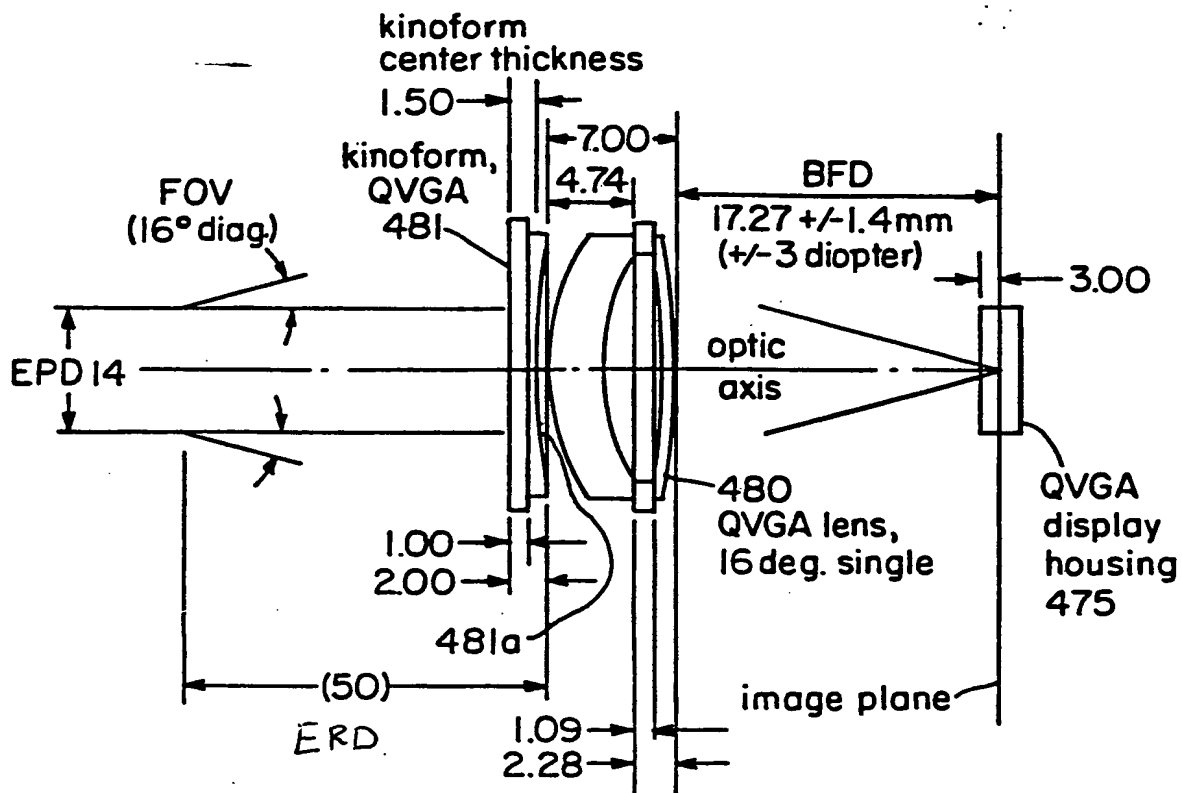


FIG. 3N

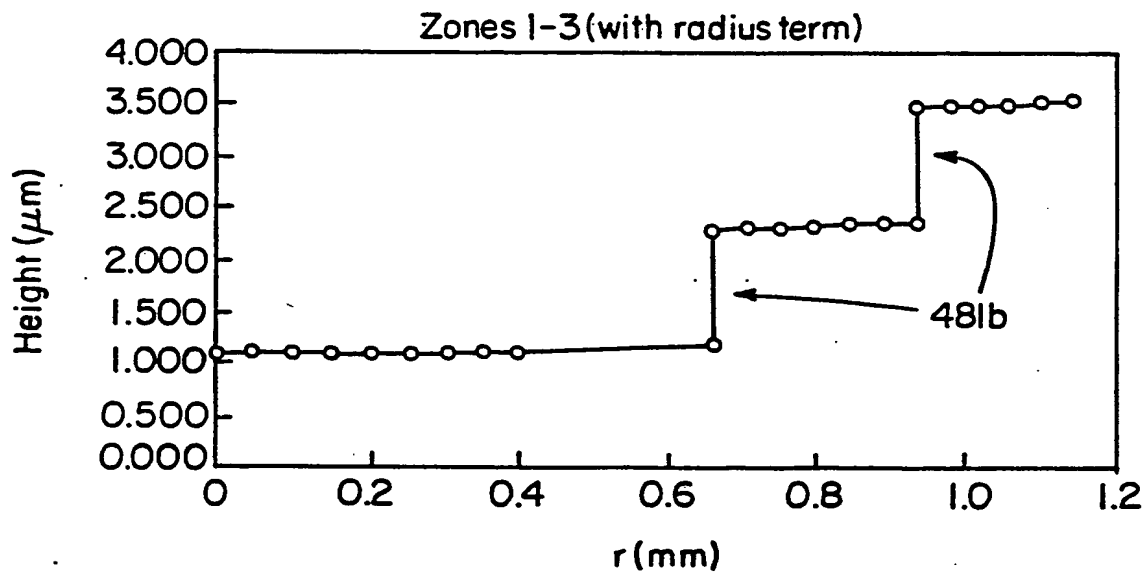


FIG. 3O

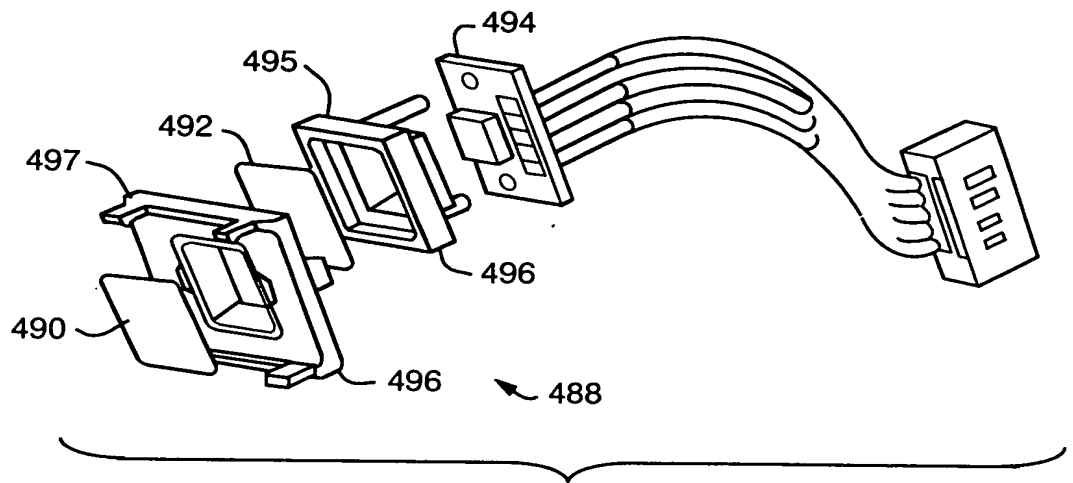


FIG. 3P

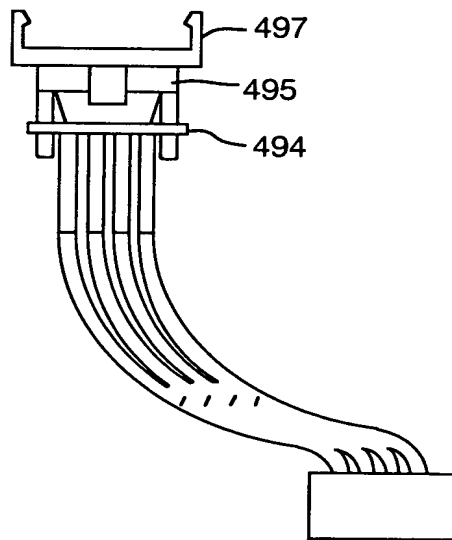


FIG. 3Q

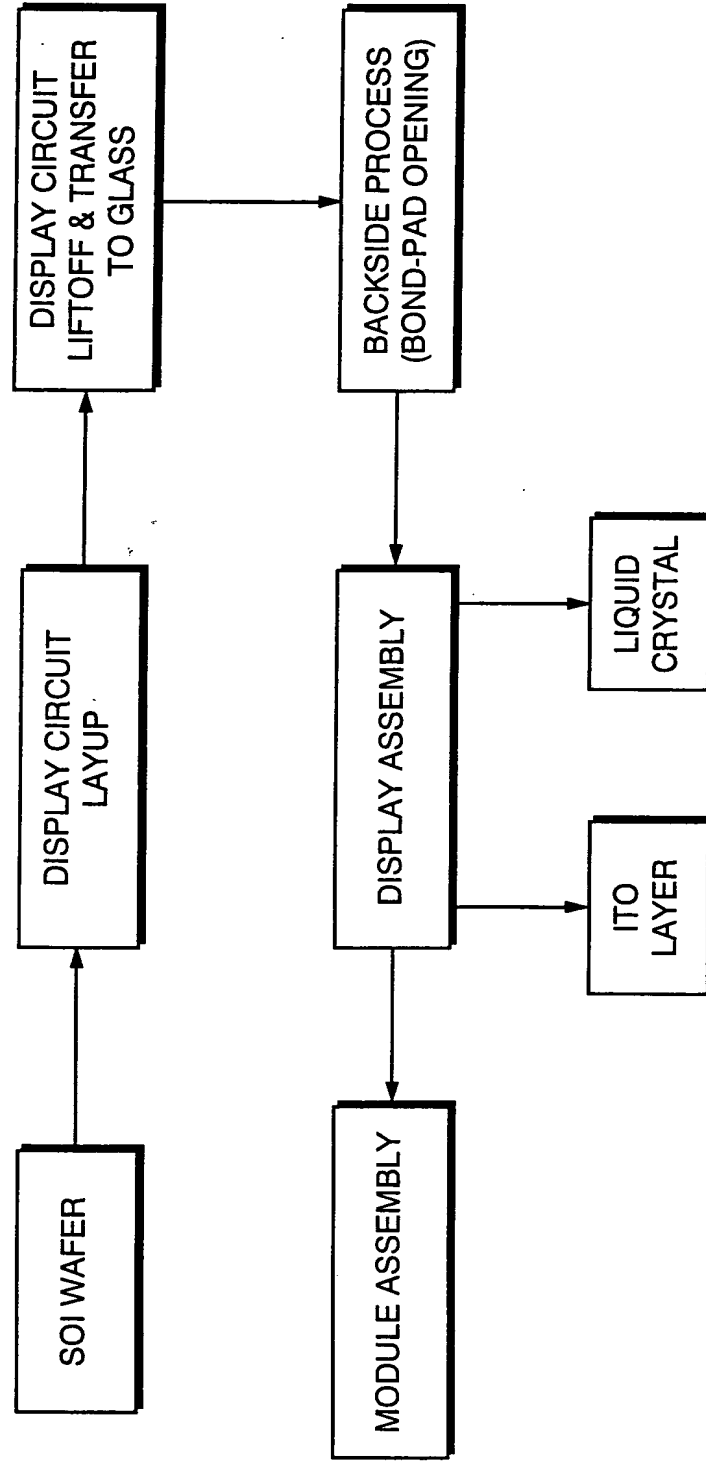


FIG. 4

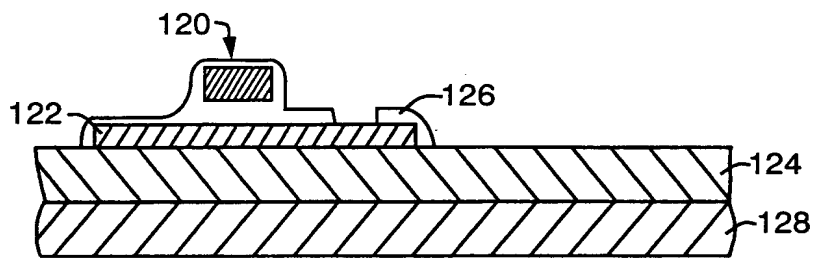


FIG. 5A

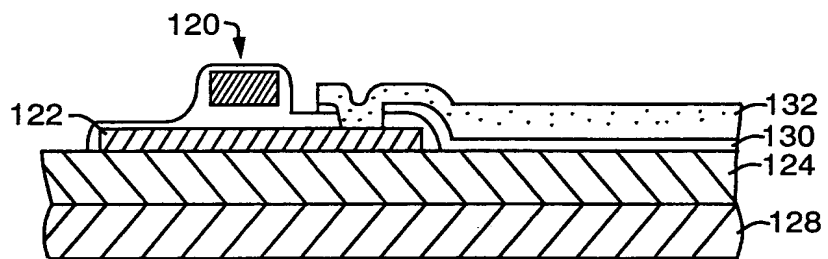


FIG. 5B

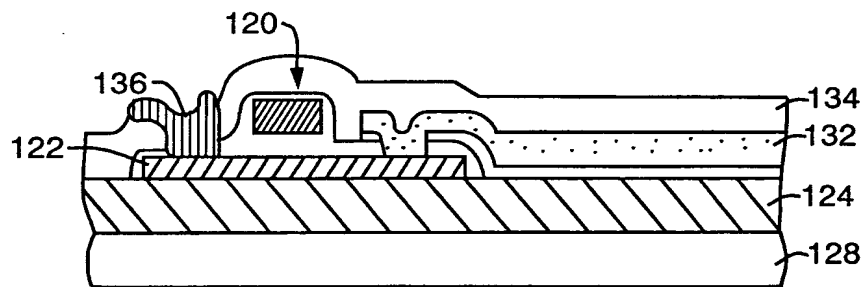


FIG. 5C

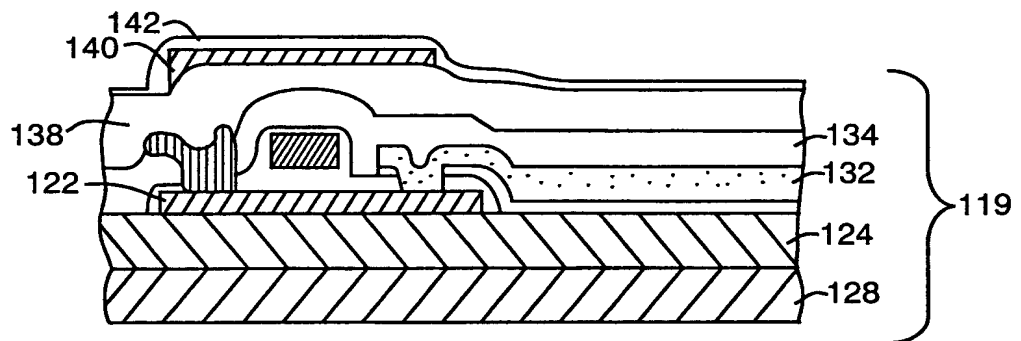


FIG. 5D



660450-940260

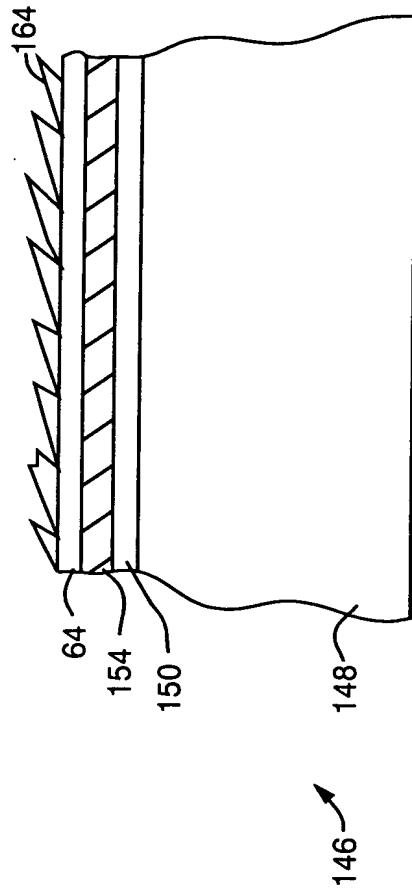


FIG. 6

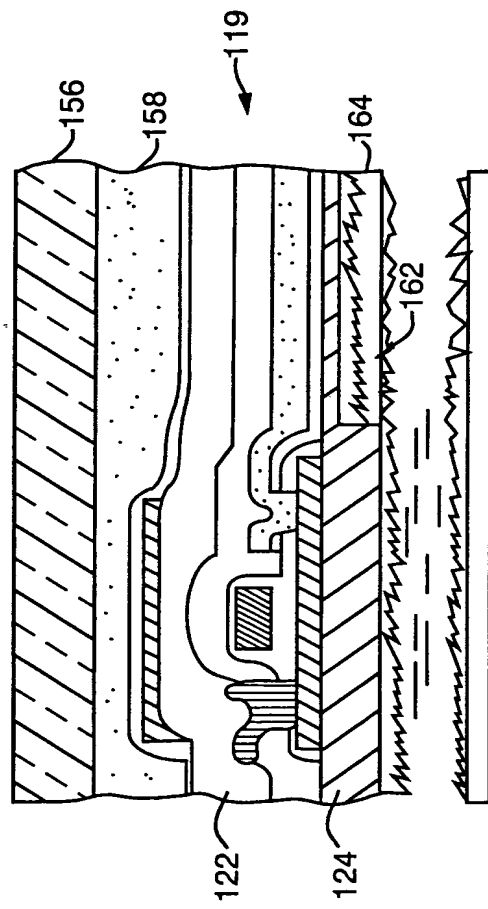


FIG. 7

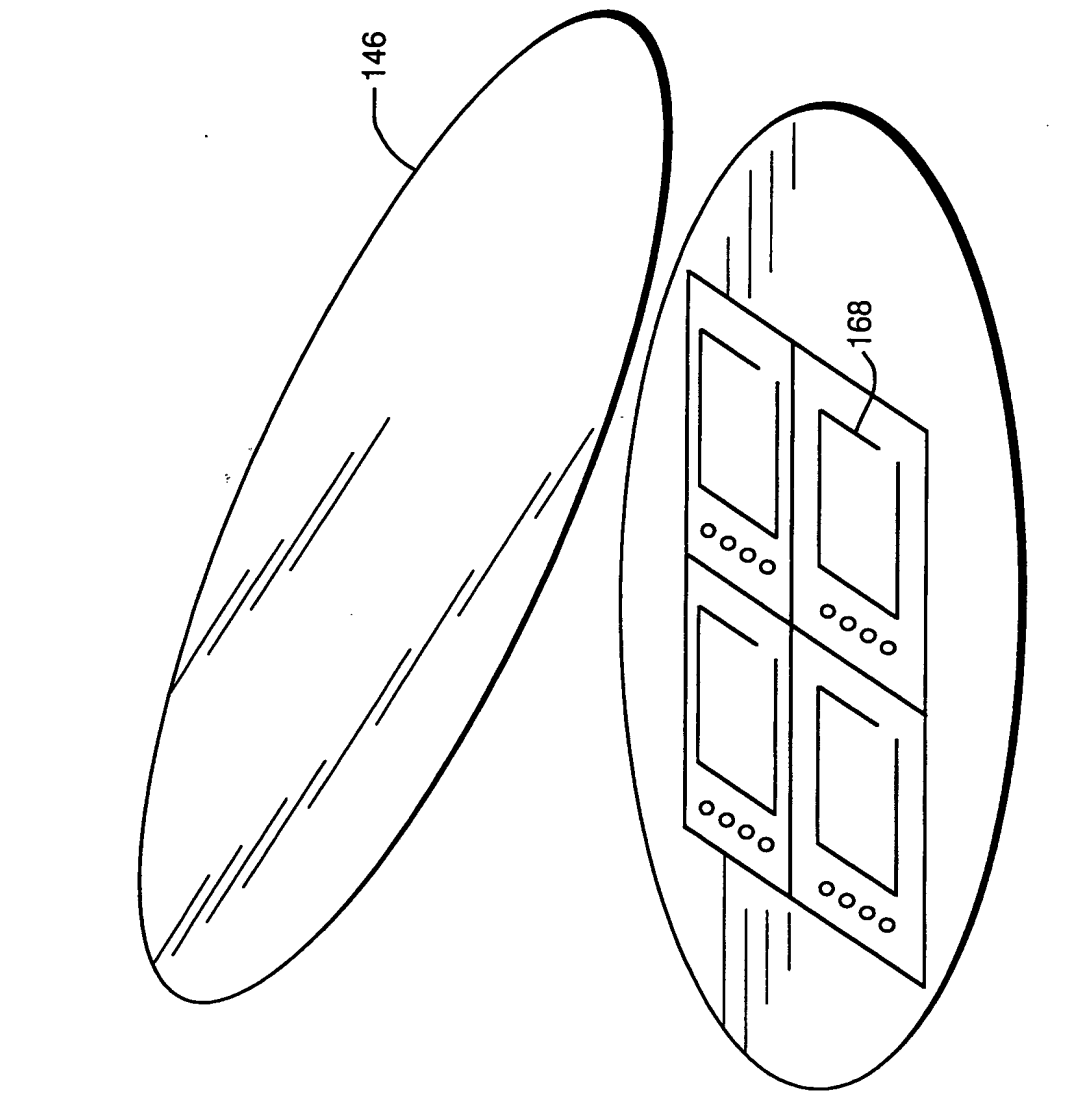


FIG. 8

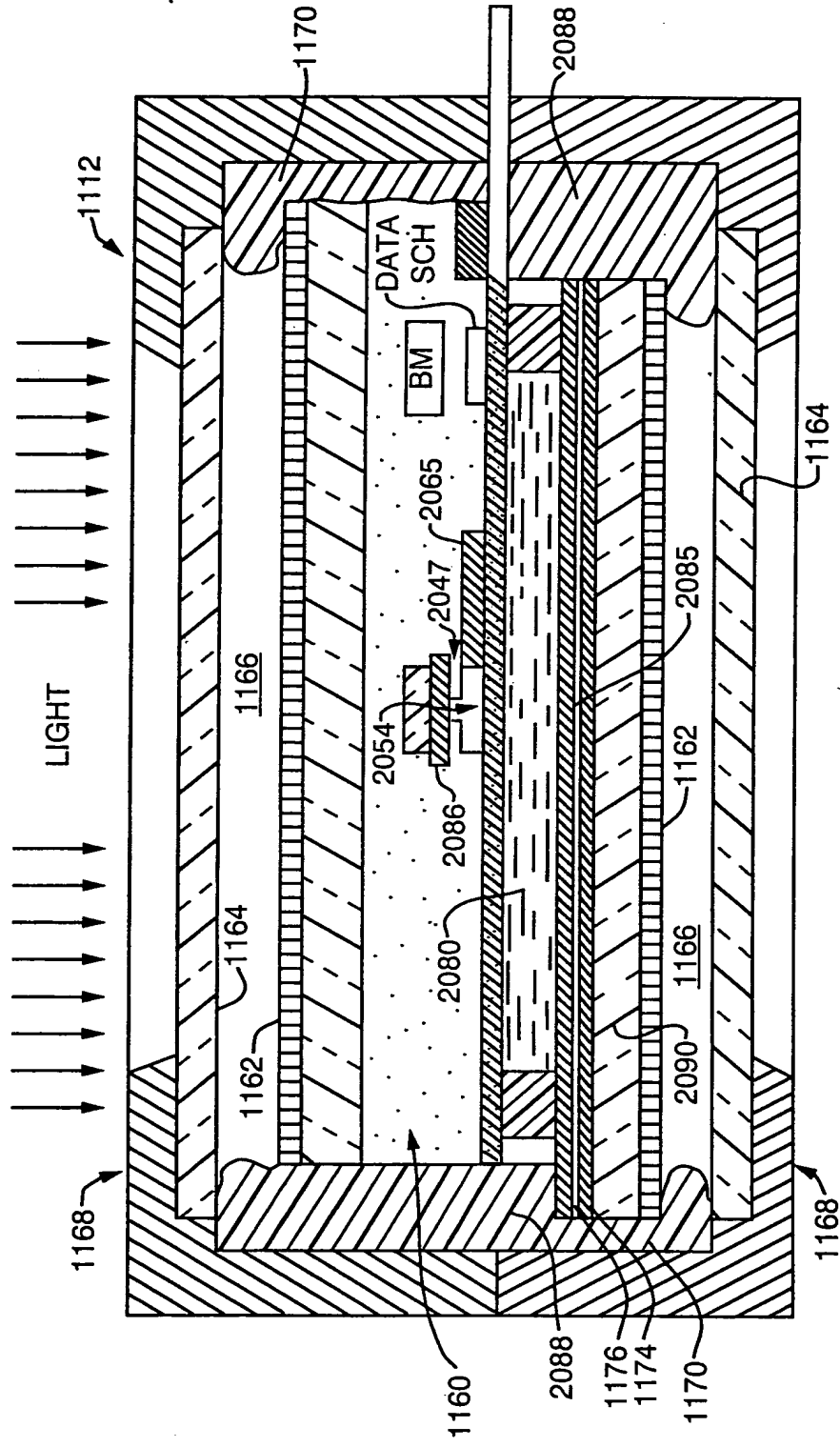


FIG. 9

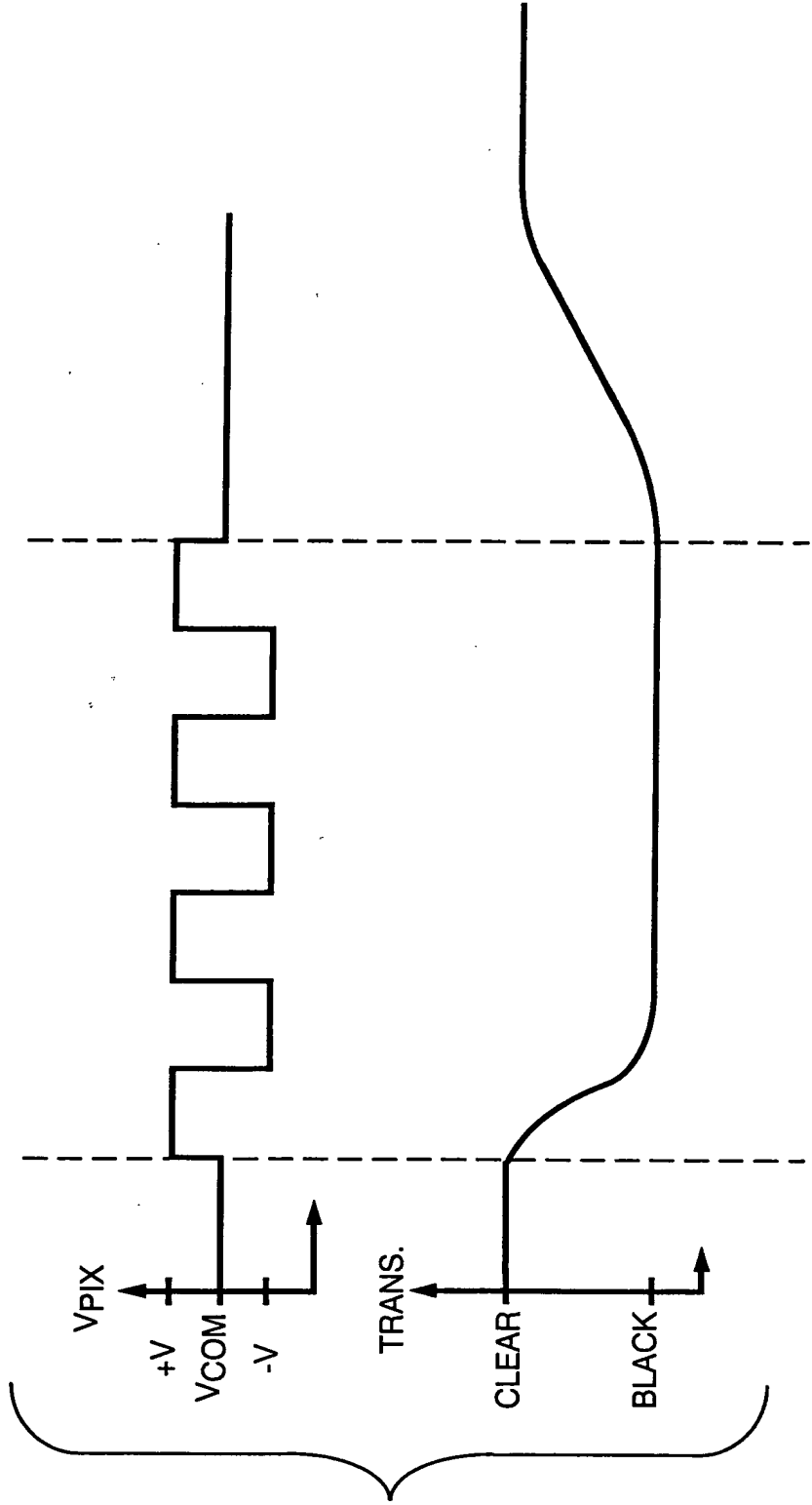
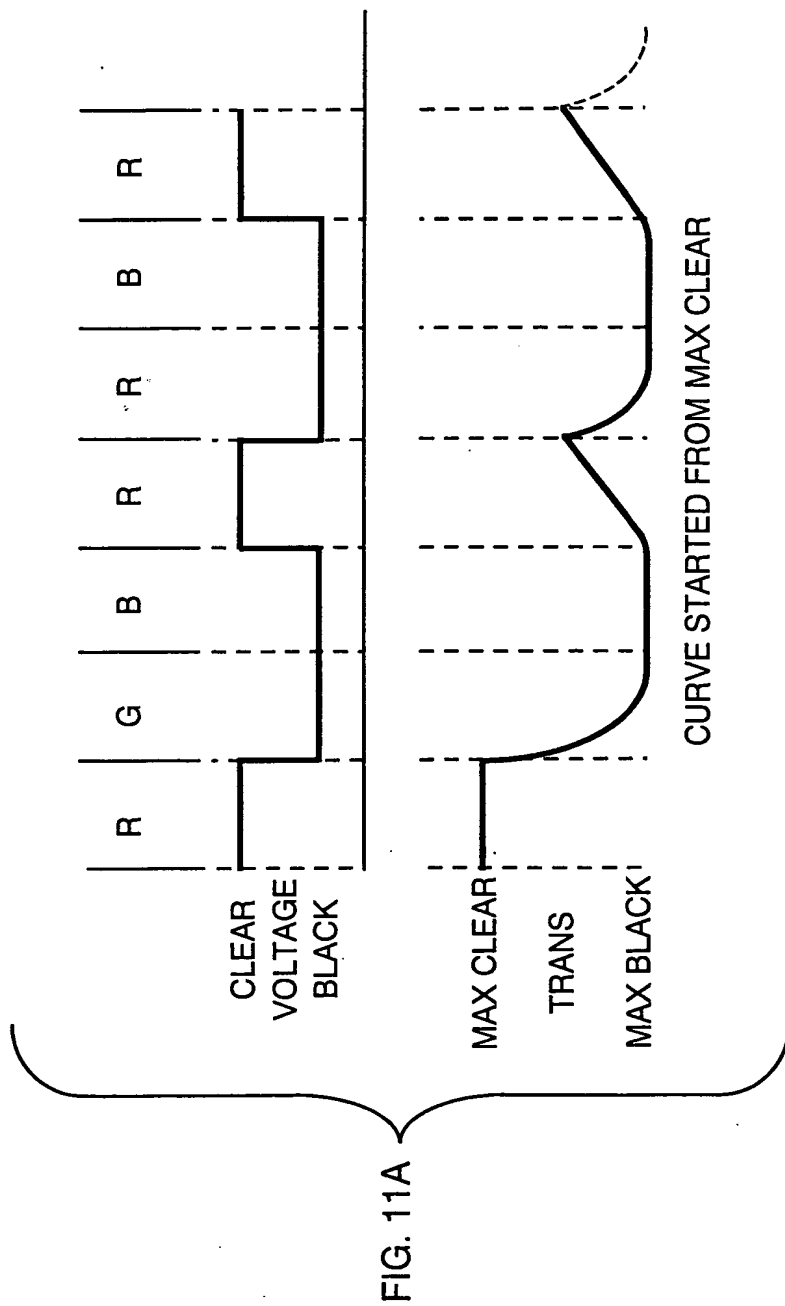
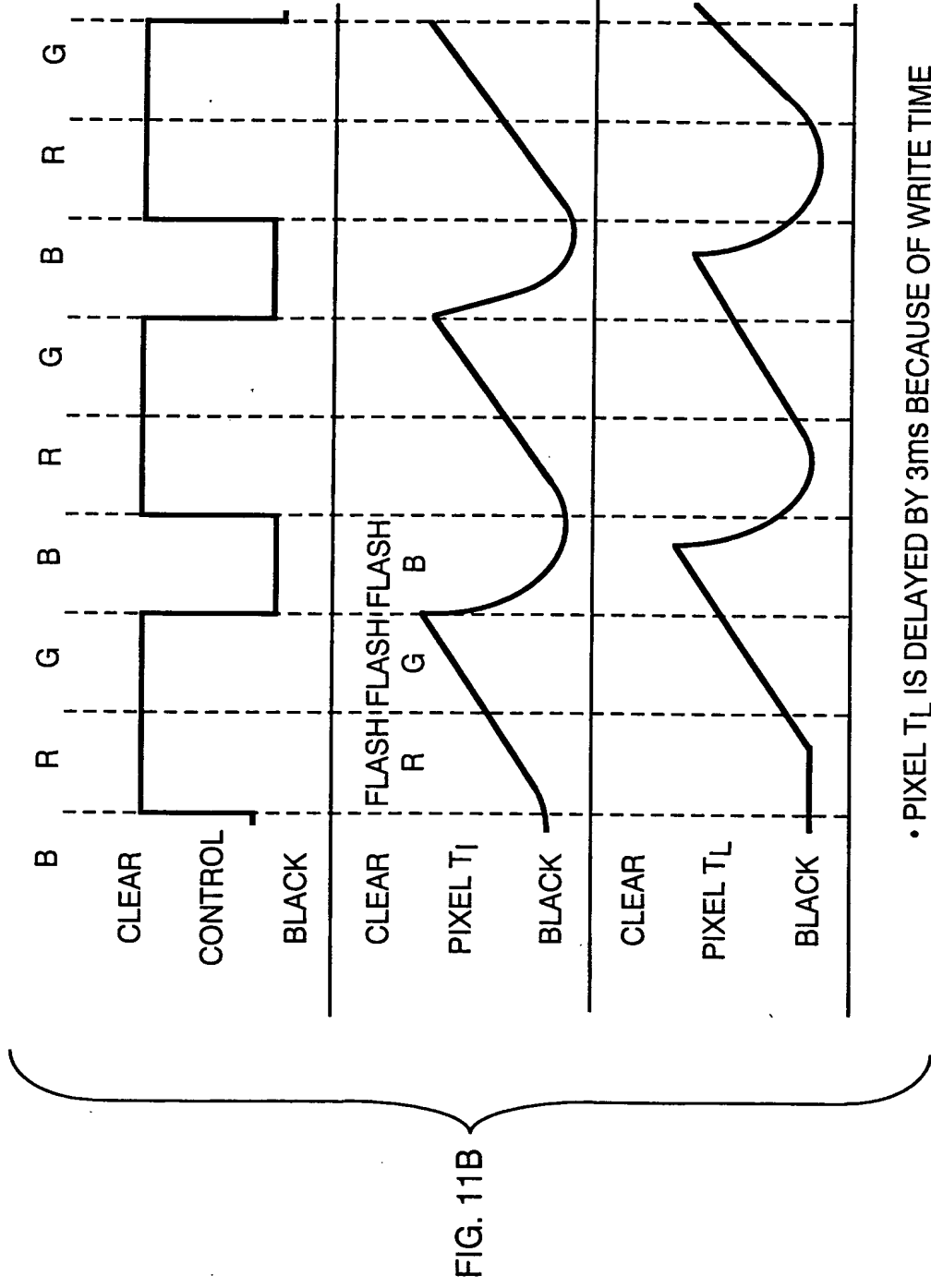


FIG. 10





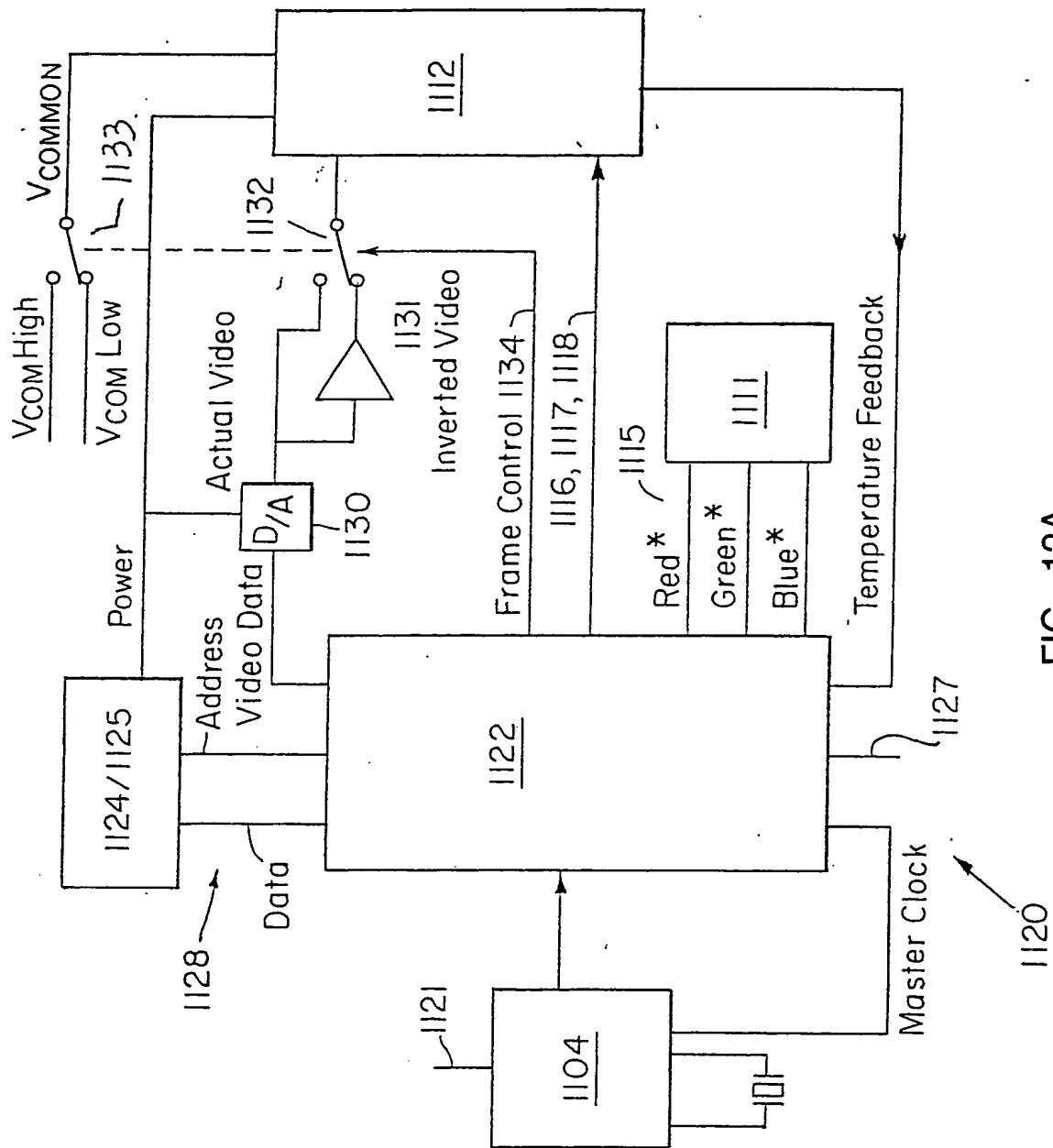


FIG. 12A

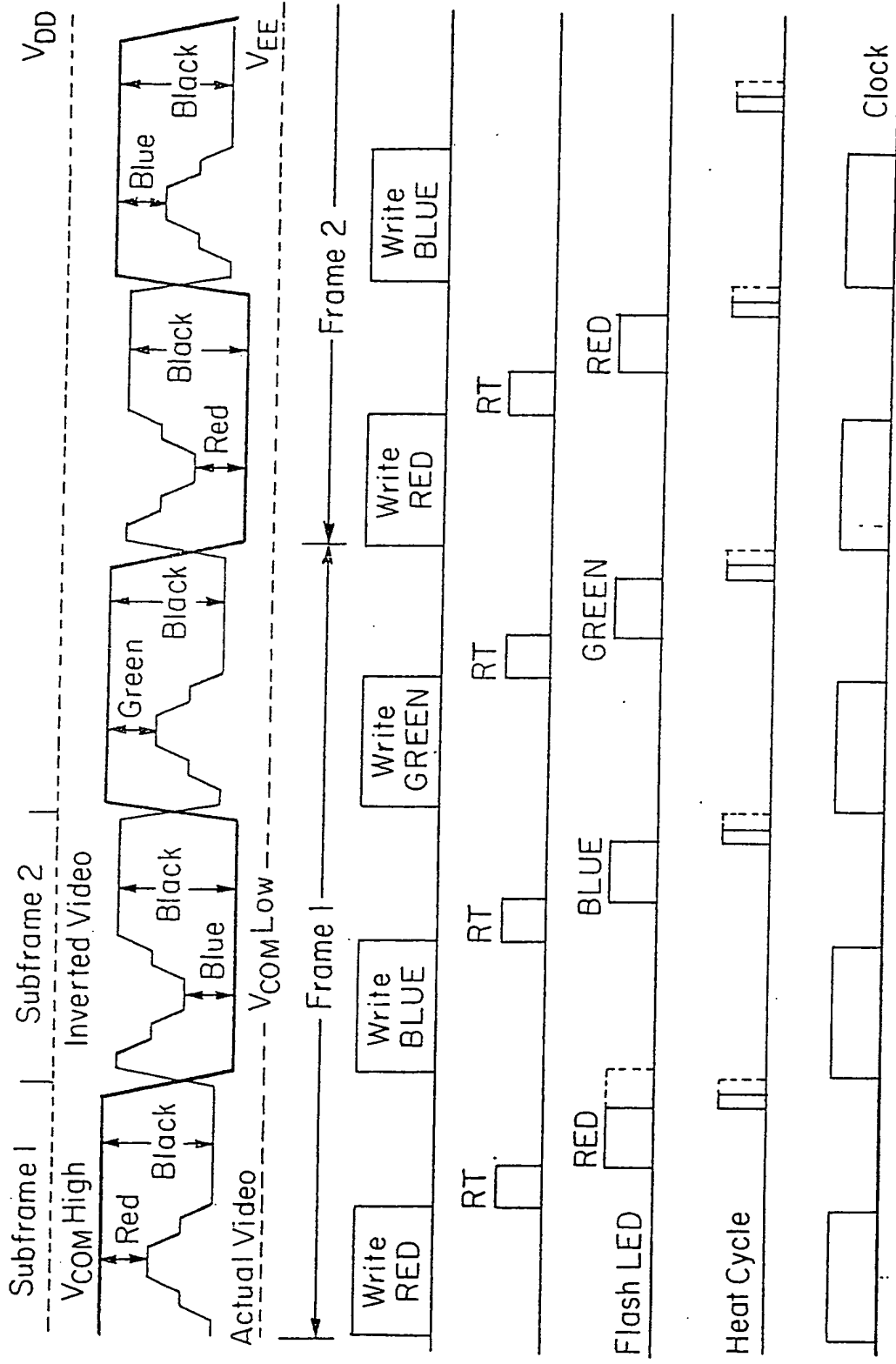


FIG. 12B

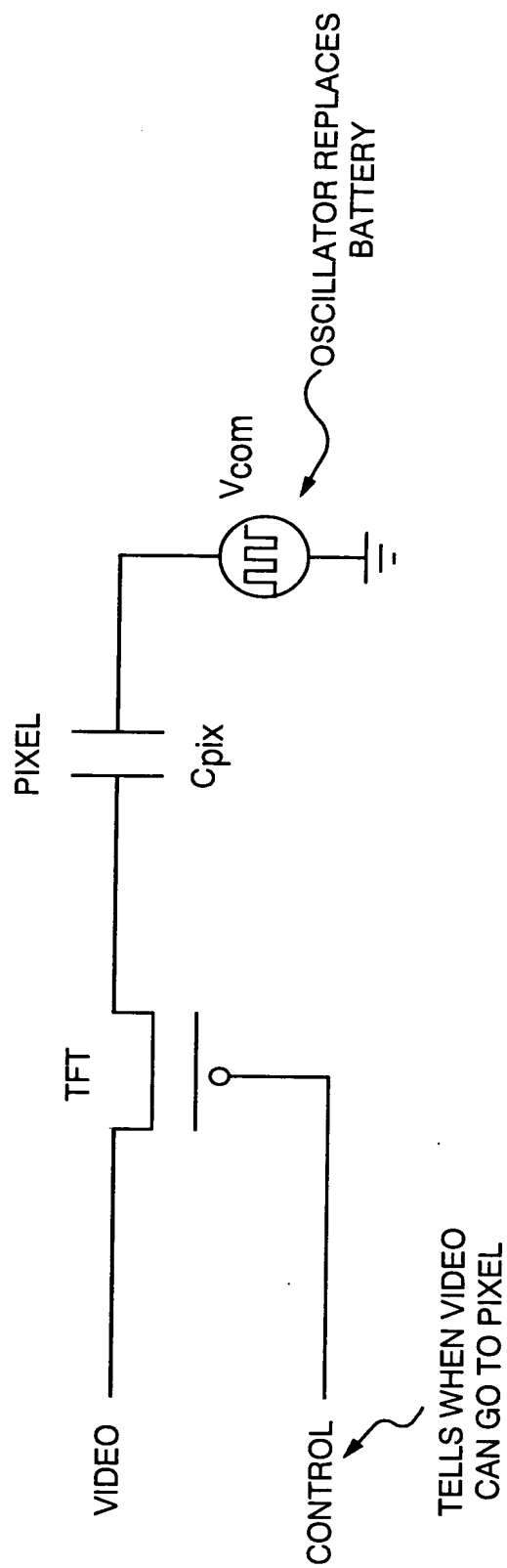


FIG. 12C

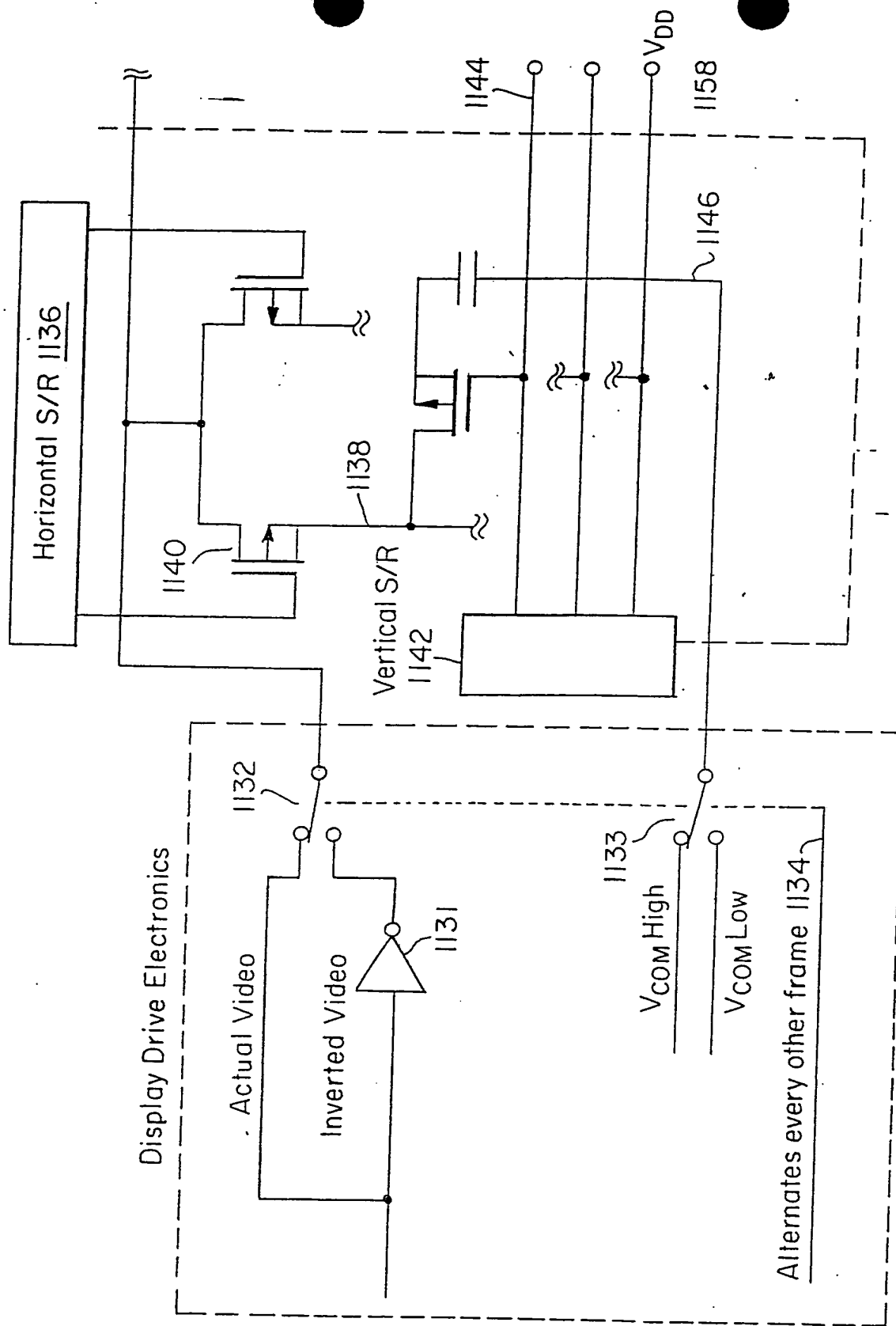
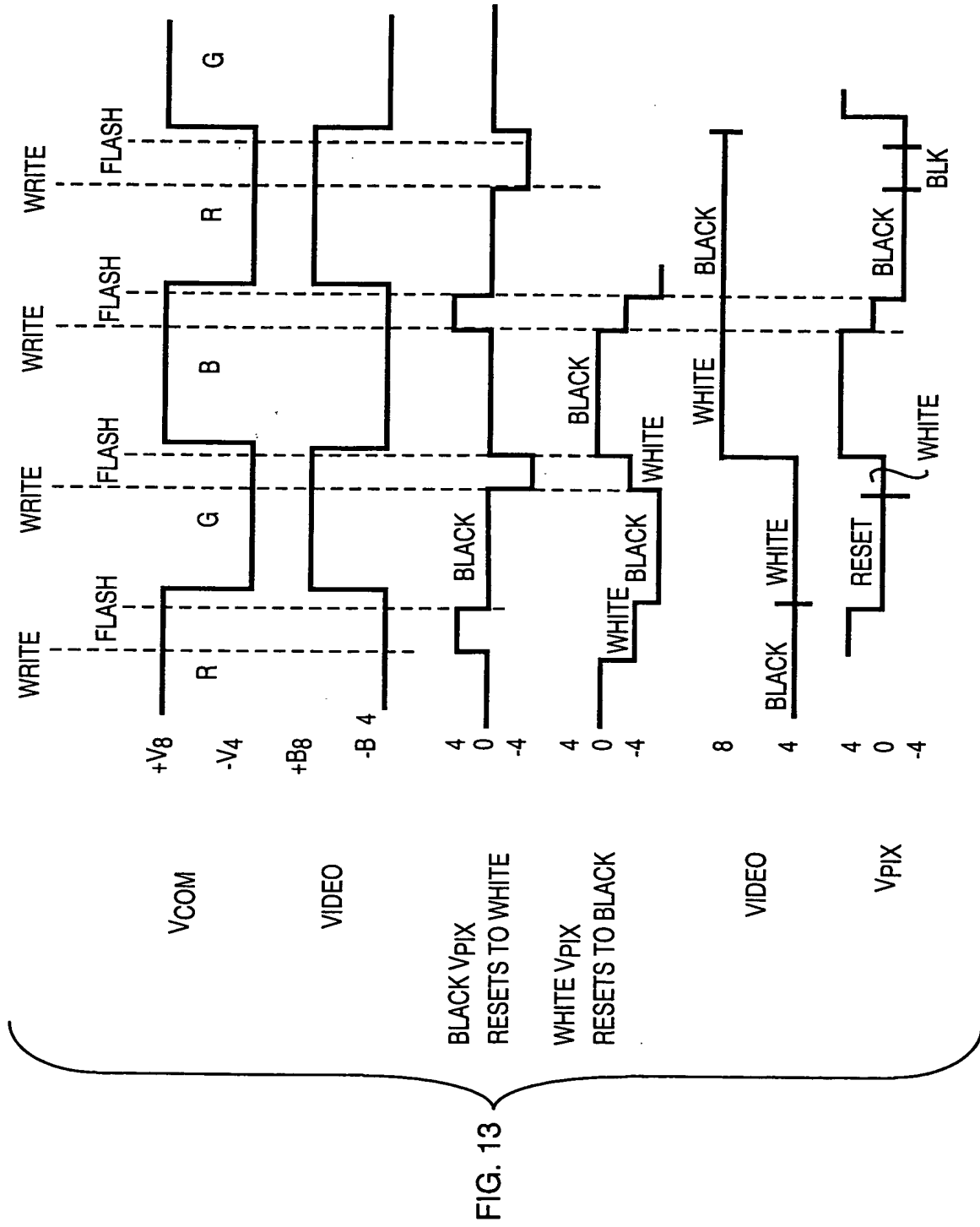


FIG. 12D



The diagram illustrates the timing for a 60 Hz frame. A horizontal timeline at the top is labeled "Frame Time". Below it, three horizontal bars represent the duration of the Red, Green, and Blue fields. Each bar is divided into three segments: "Init", "Write", and "Settle", followed by a "Flash" segment. The Red field starts at the beginning of the frame. The Green field starts after the Red field's "Init" segment. The Blue field starts after the Green field's "Init" segment. This shows a sequential writing process for each color field within a single frame.

The diagram shows the timing relationship between three signals: InitControl, InitVoltage, and Column Lines. InitControl is a high-frequency clock signal. InitVoltage is a signal that transitions from high to low at the start of each column line pulse. Column Lines are the output signals, shown as downward-pointing pulses. The Data Scanner block is connected to all three signals.

FIG. 14C

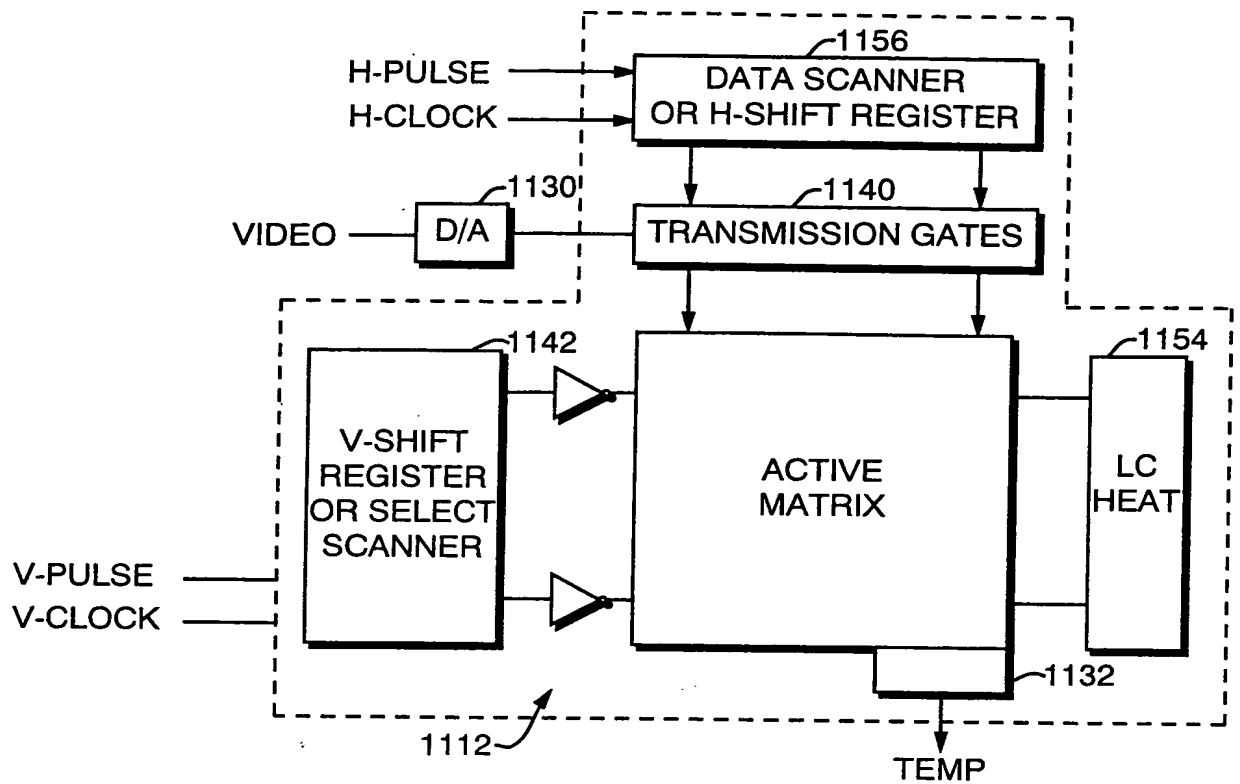


FIG. 15A

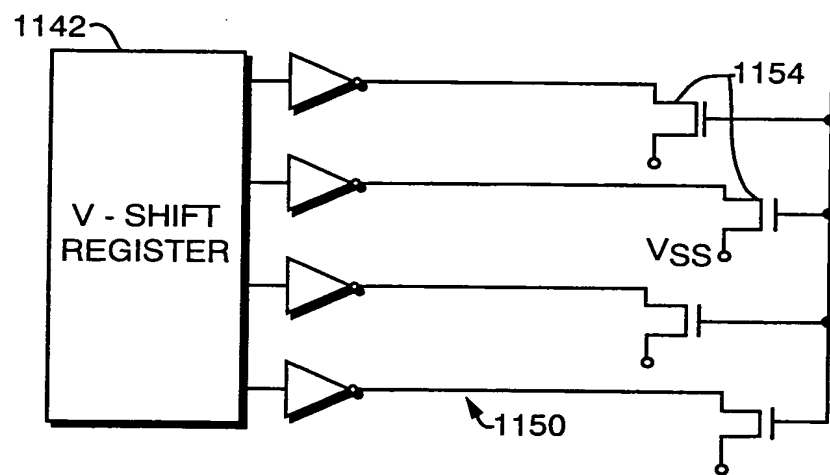


FIG. 15B

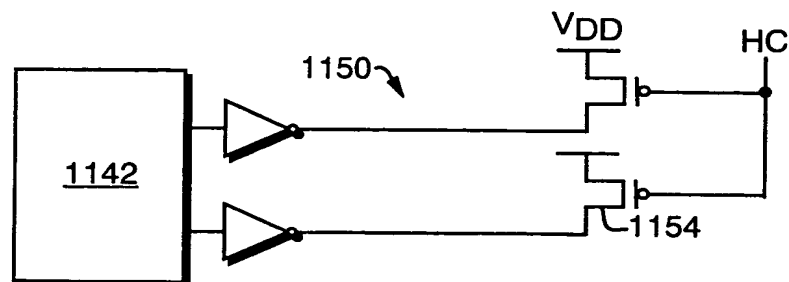


FIG. 15C

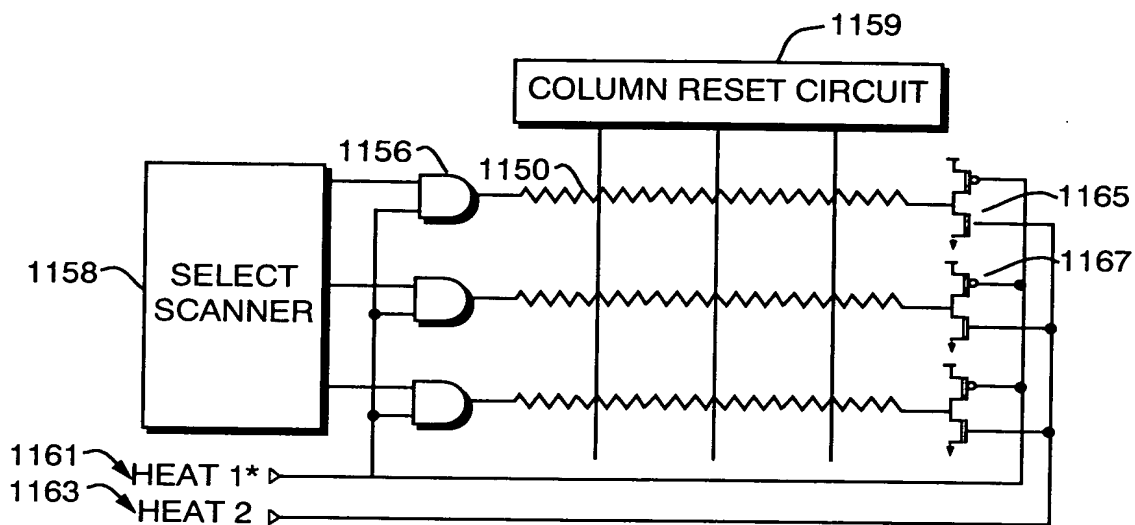


FIG. 15D

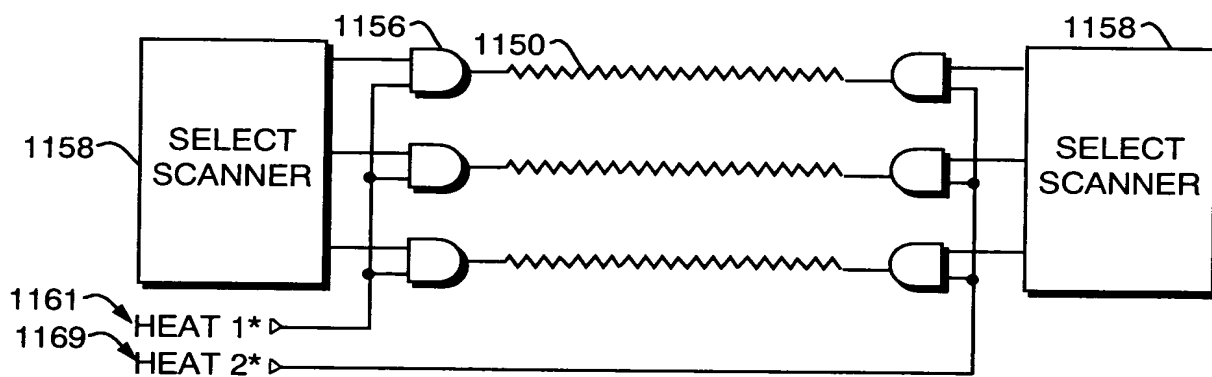


FIG. 15E

660450-99F00260

660750: 54760260

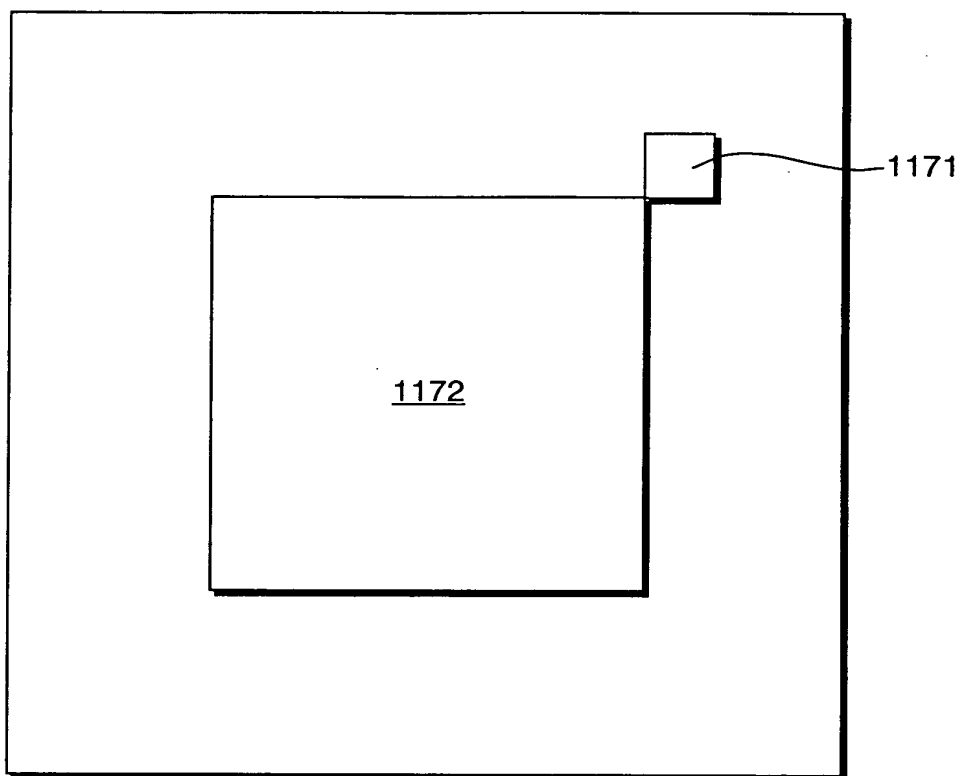


FIG. 15F



660750-59760E60

1178

1175

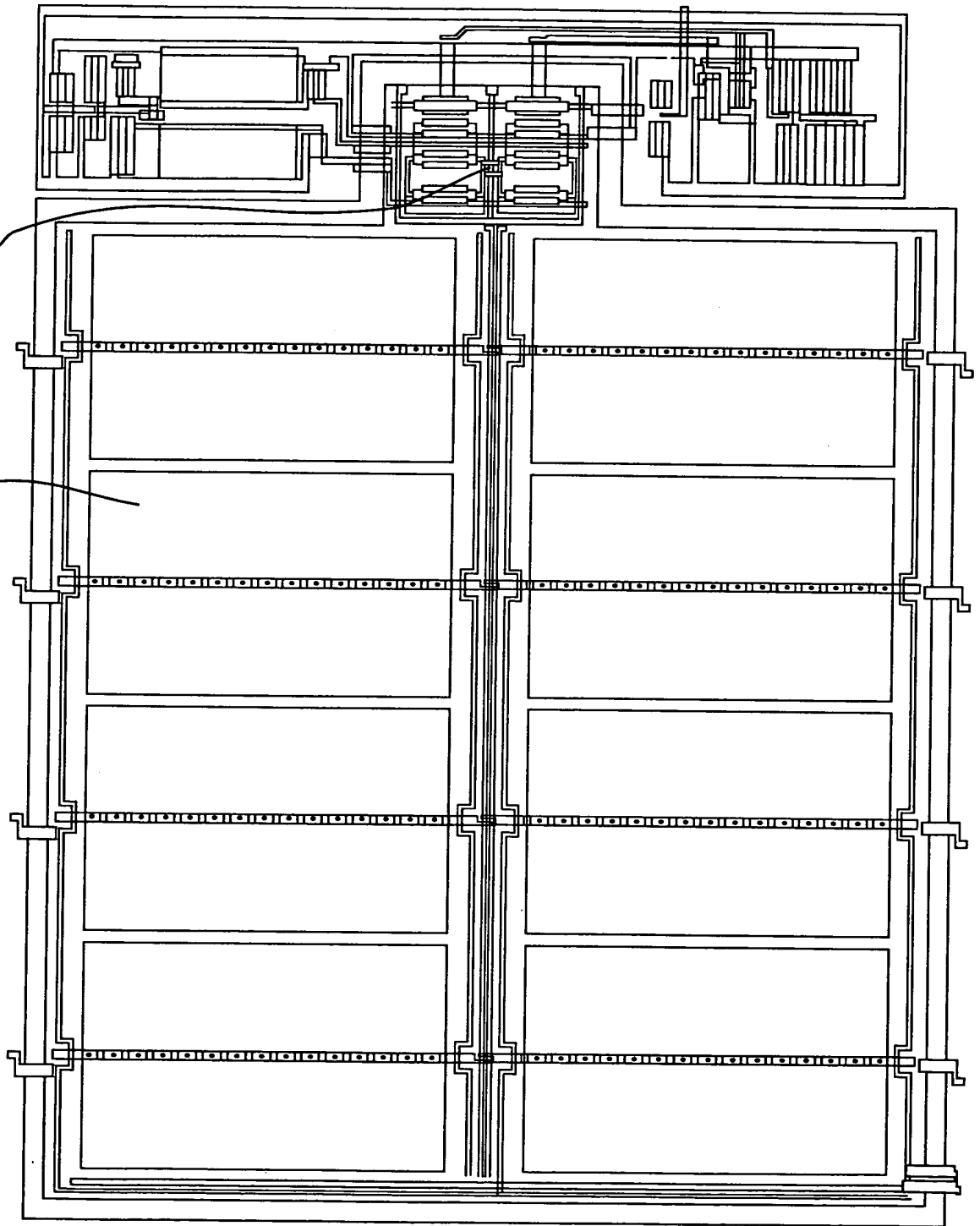


FIG. 15G



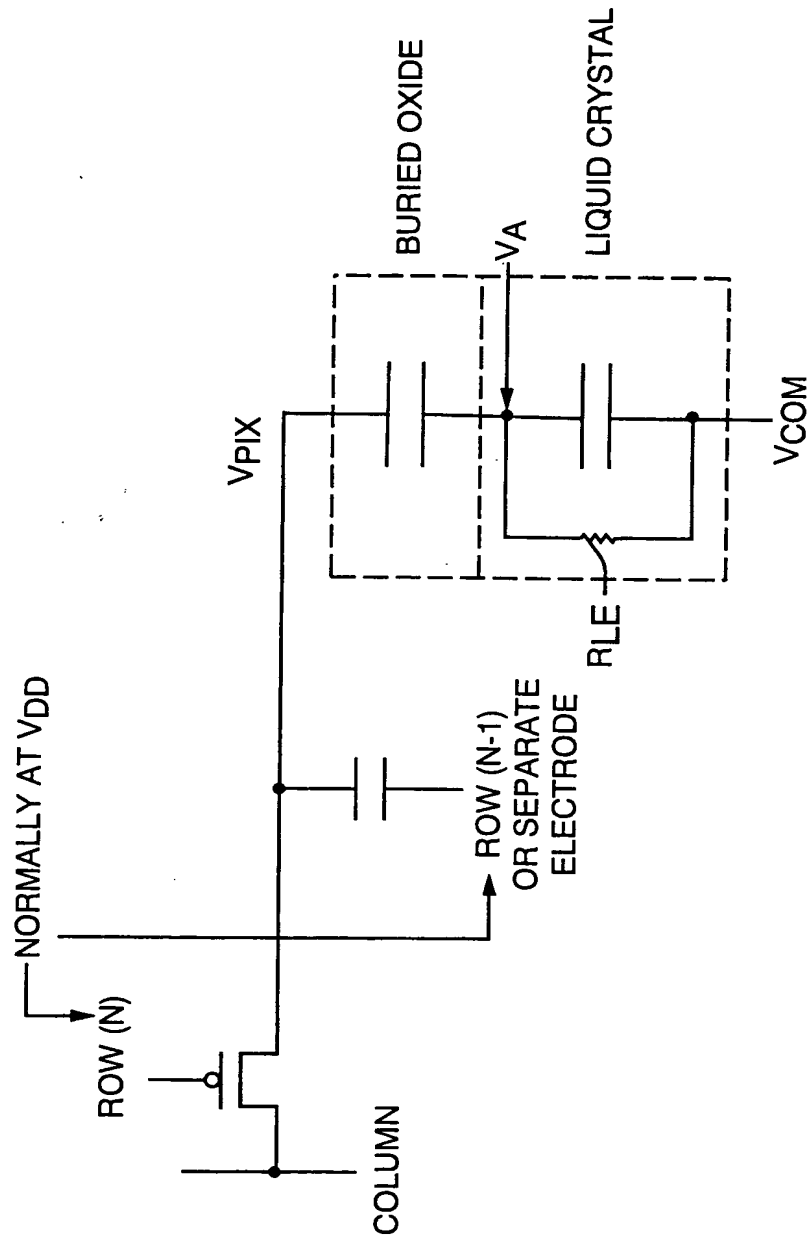
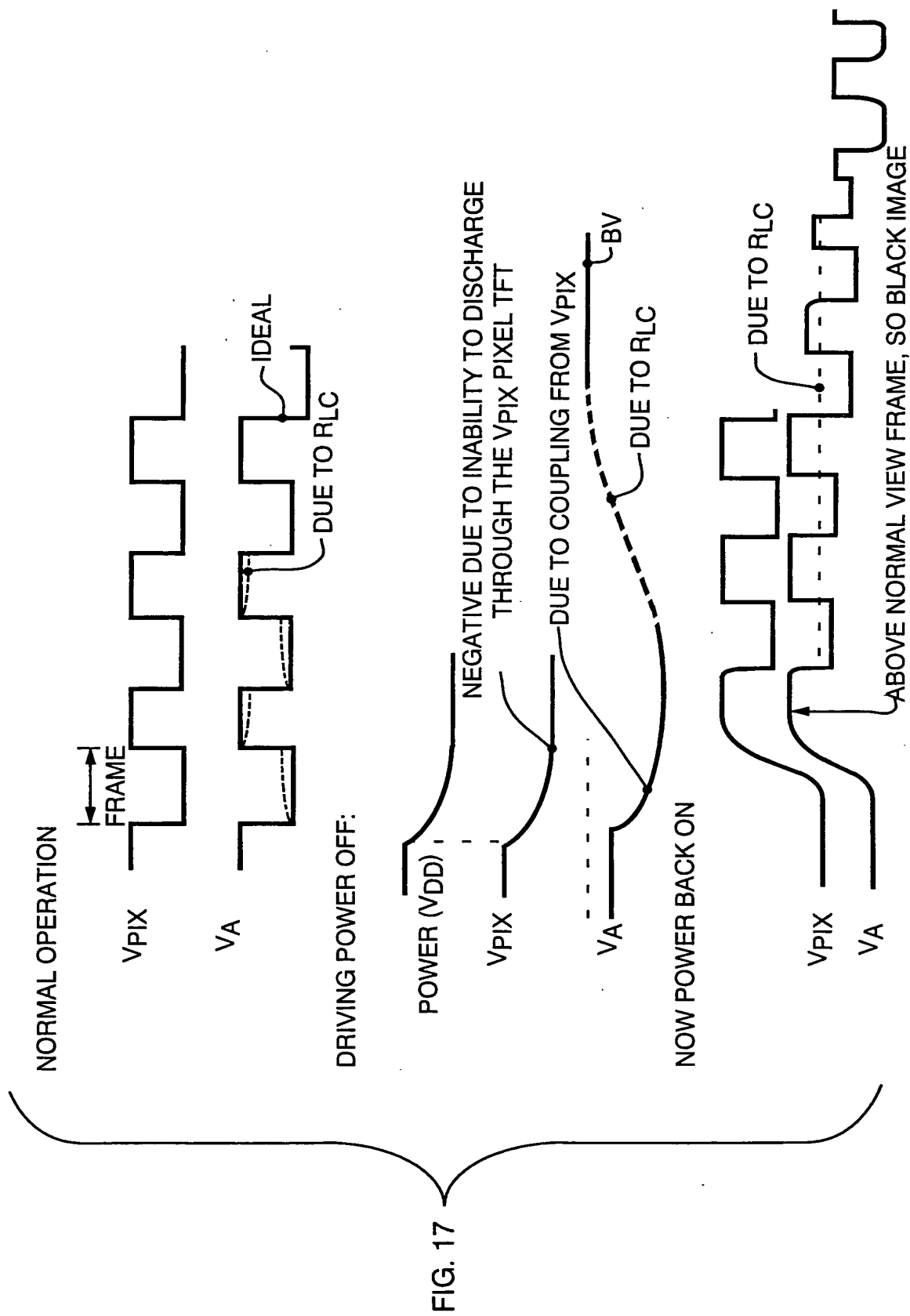


FIG. 16



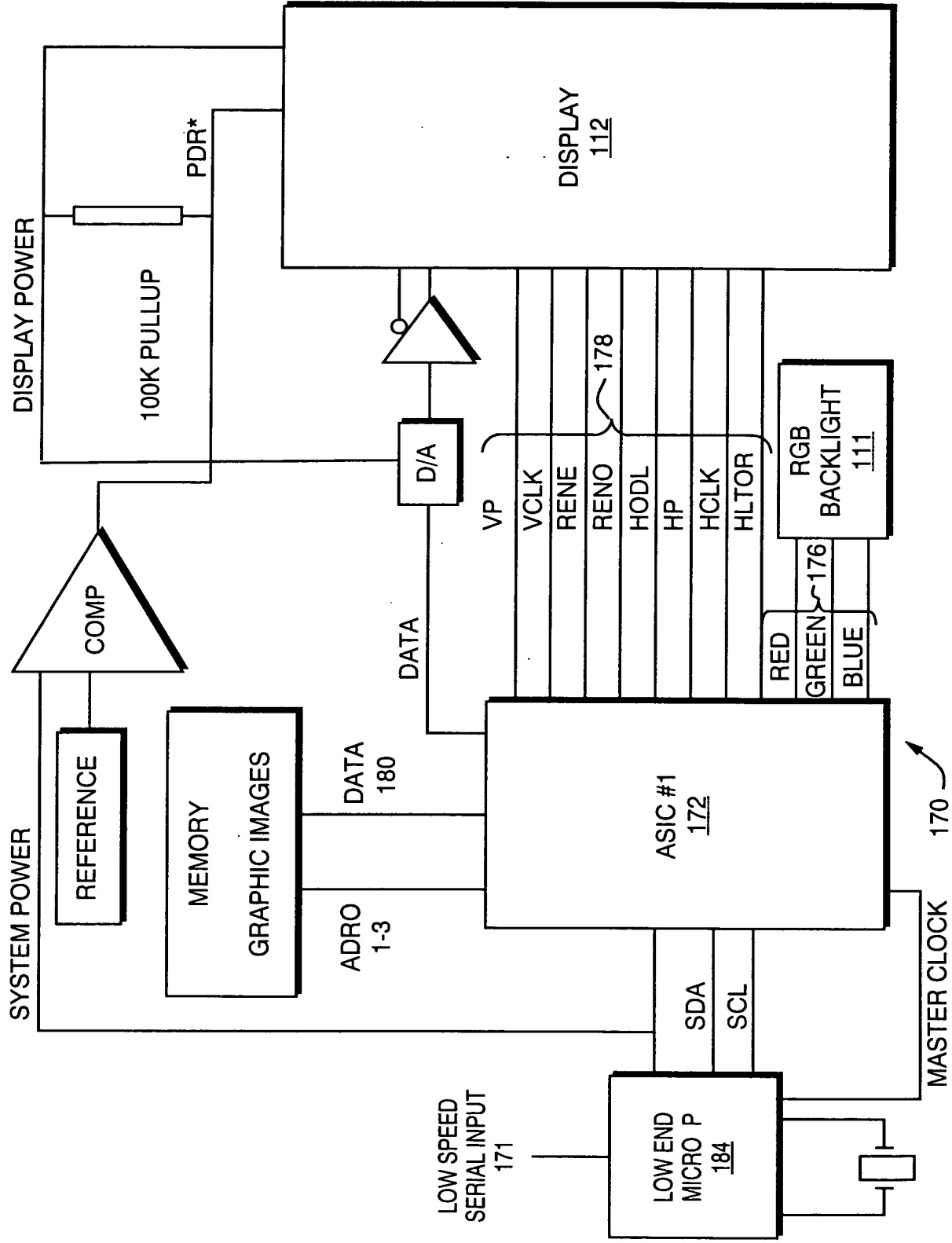


FIG. 18

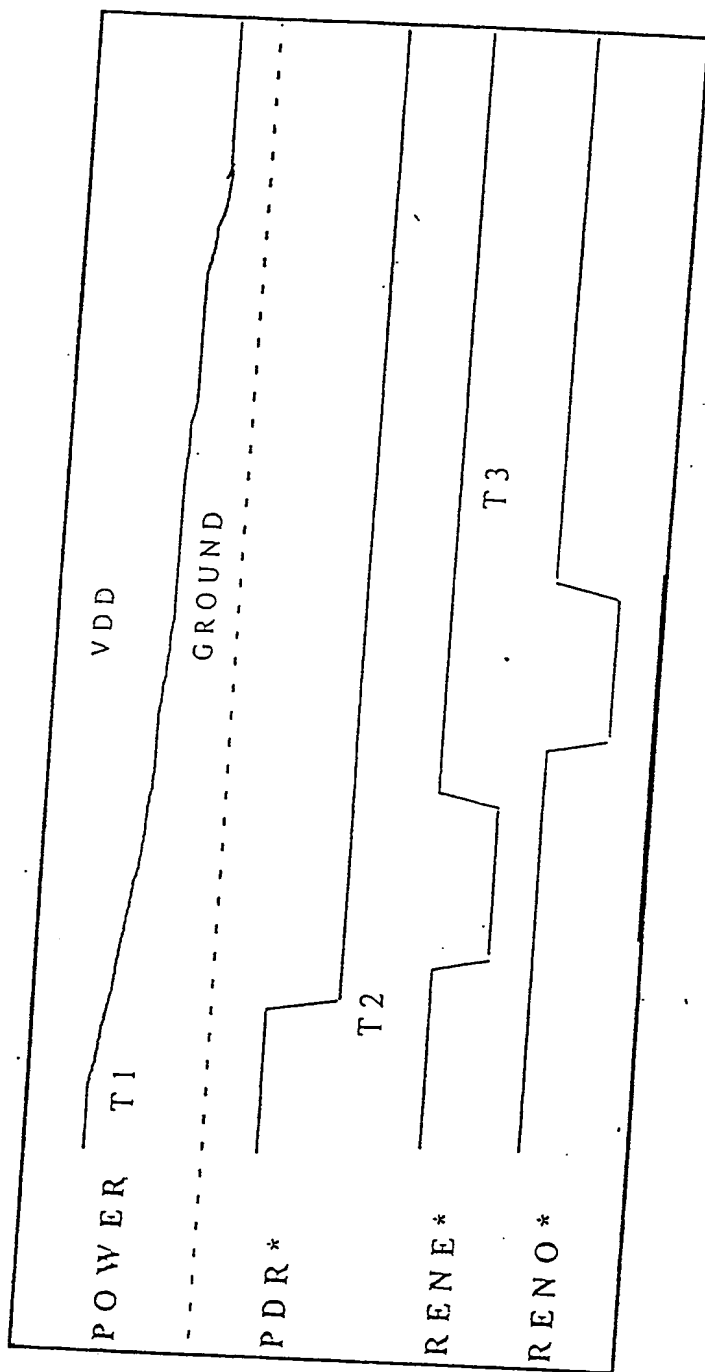


FIG. 19A

660F50 SAT60E60

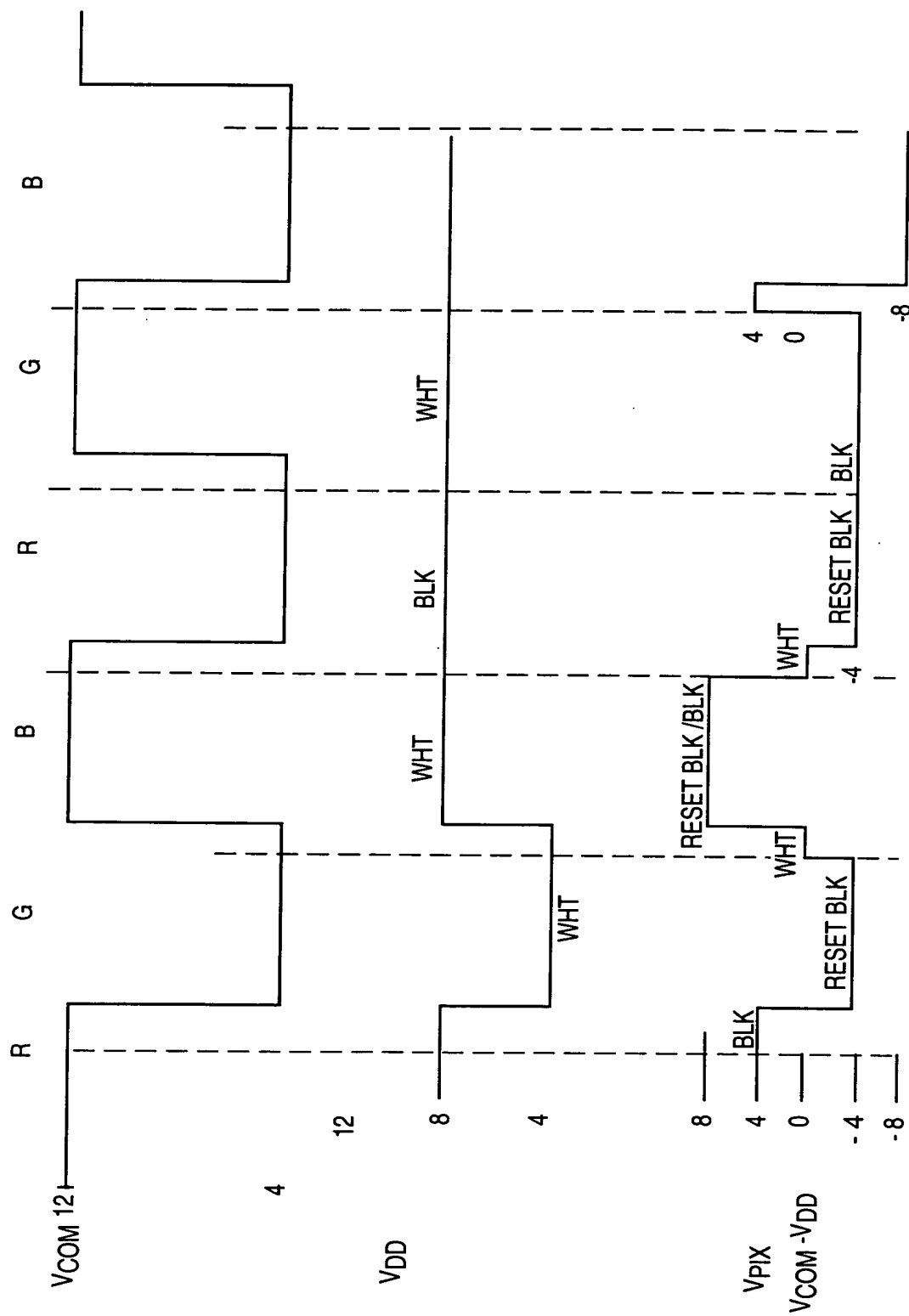
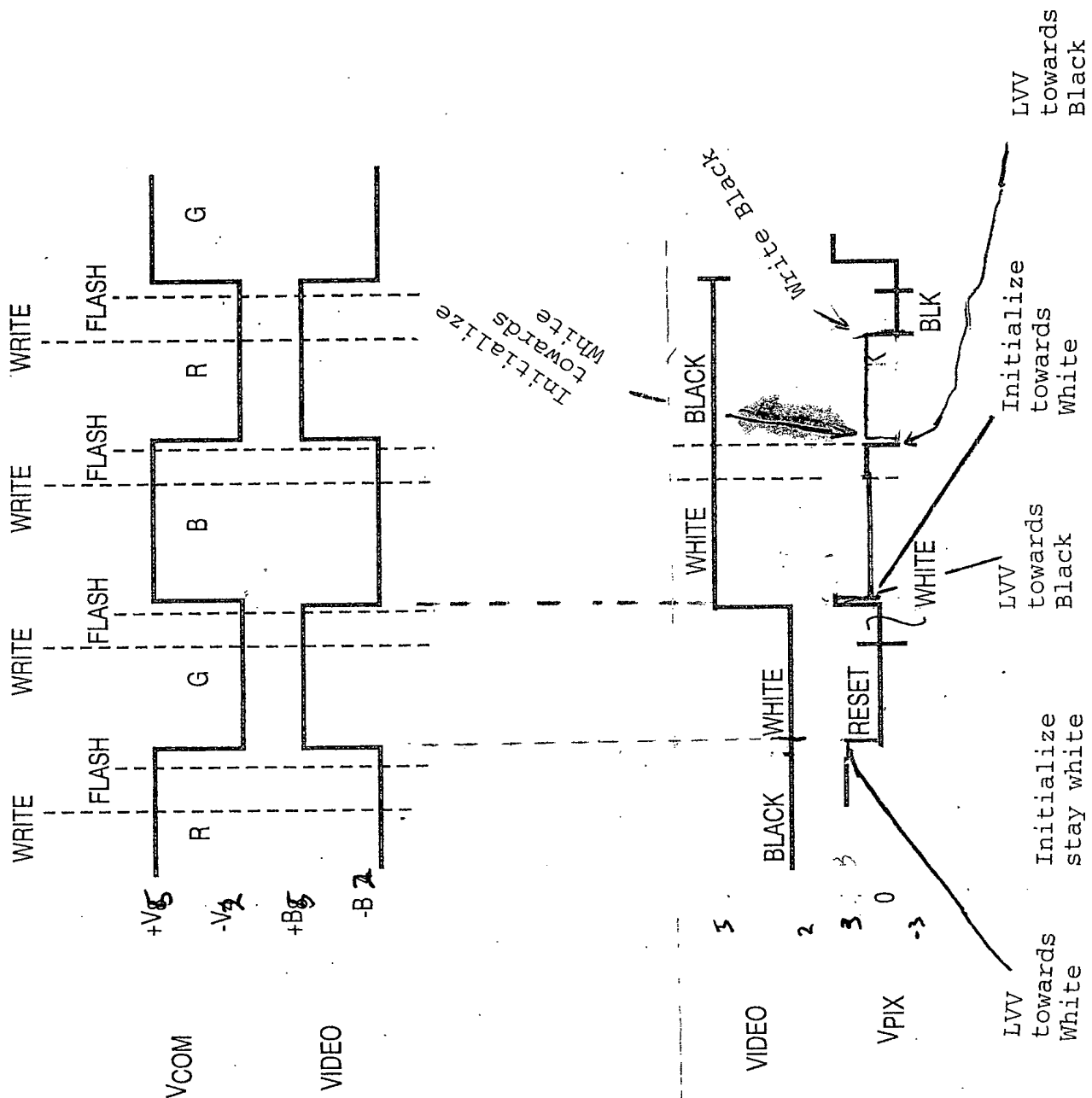


FIG. 19B

660190 9960E60



F2819C

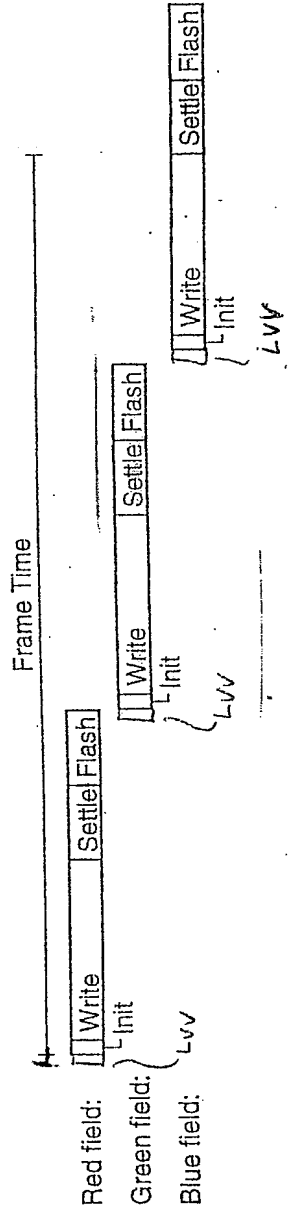


FIG 19D

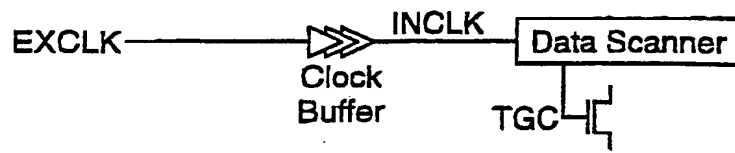


FIG. 20A

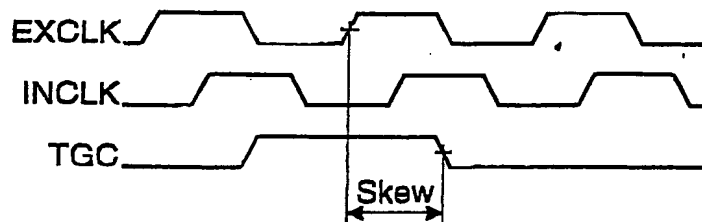


FIG. 20B

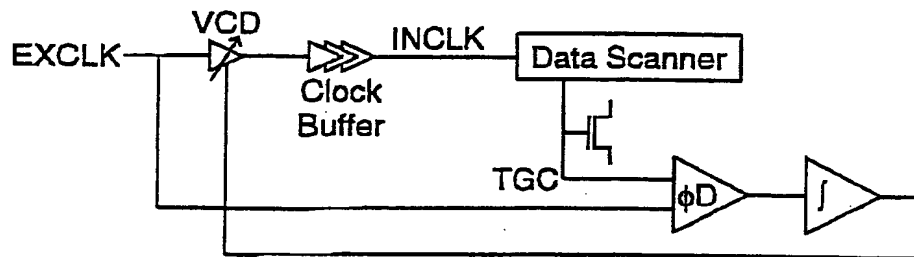


FIG. 20C

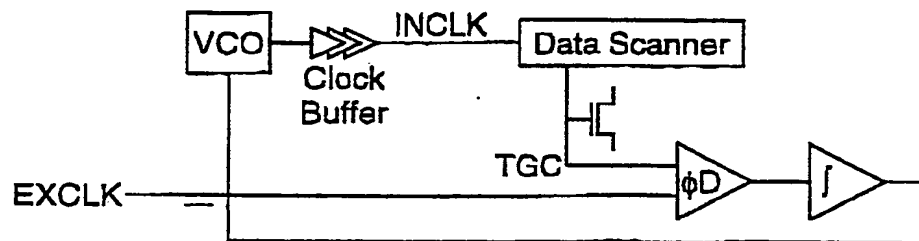


FIG. 20D

660750:59T60E60

The diagram illustrates the architecture of a 1280x1024 pixel array. The central component is the **Pixel Array**, which is a 1280x1024 grid of pixels. Each pixel is represented by a schematic showing a transistor connected to a data line and a gate line, with a capacitor connected to the gate line. The array is flanked by two control blocks: the **Top Control Block** (containing Shift Register, Line Buffer, LFSR, and Transmission Gates) and the **Bottom Control Block** (containing Transmission Gates, LFSR, Line Buffer, and Shift Register). The array is connected to a **Decoder** and **Row Drivers** on the right, which are connected to a **SIPO** (Serial-to-Parallel Input/Output) block. The array is also connected to a **Test Array** on the left. The array is controlled by several input signals: **RAMPEVEN**, **DCLK**, **VIDEO** (64-bit), **GCLK**, **RAMPODD**, **ACLK**, and **ADDRESS**. The array is connected to a **Transmission Gates** block on the left, which is connected to a **Shift Register** and **Line Buffer**. The array is connected to a **Decoder** and **Row Drivers** on the right, which are connected to a **SIPO** (Serial-to-Parallel Input/Output) block. The array is connected to a **Test Array** on the left. The array is connected to a **Transmission Gates** block on the left, which is connected to a **Shift Register** and **Line Buffer**.

FIG. 20E

Shift Register

VIDEO

WE

RAM

LD

LFSR

GCLK

RAMP

T/H



FIG. 20F

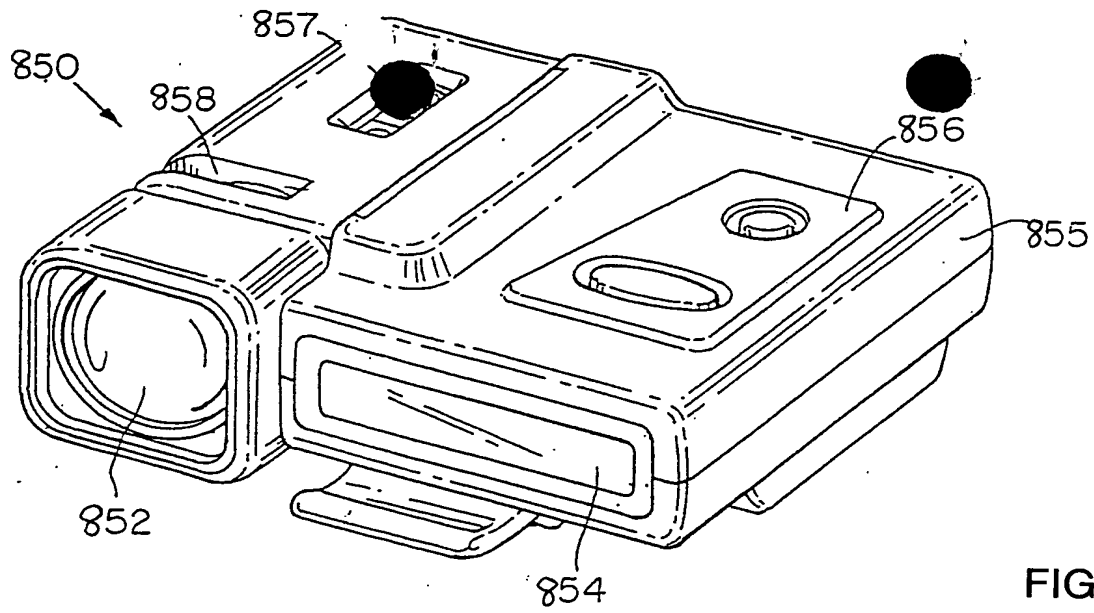


FIG. 21A

FIG. 21C

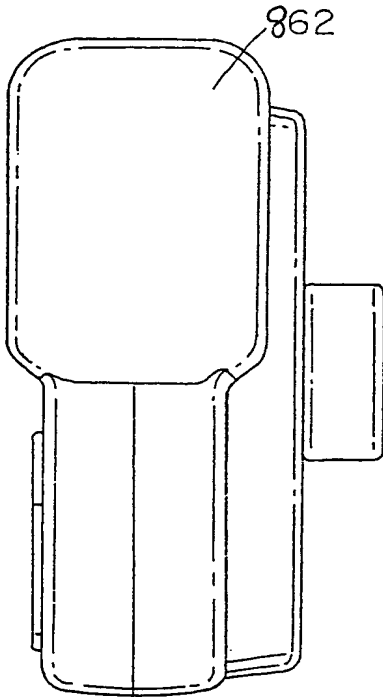
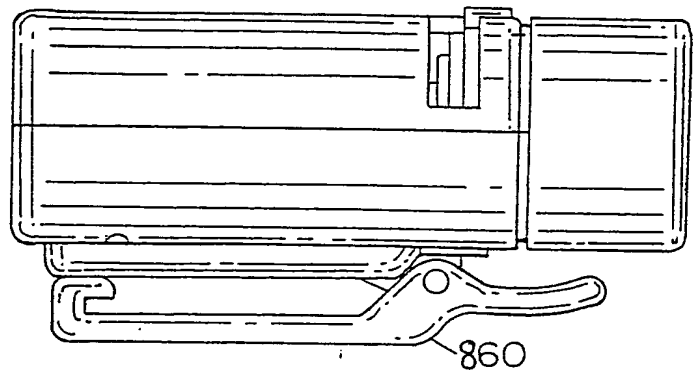


FIG. 21B

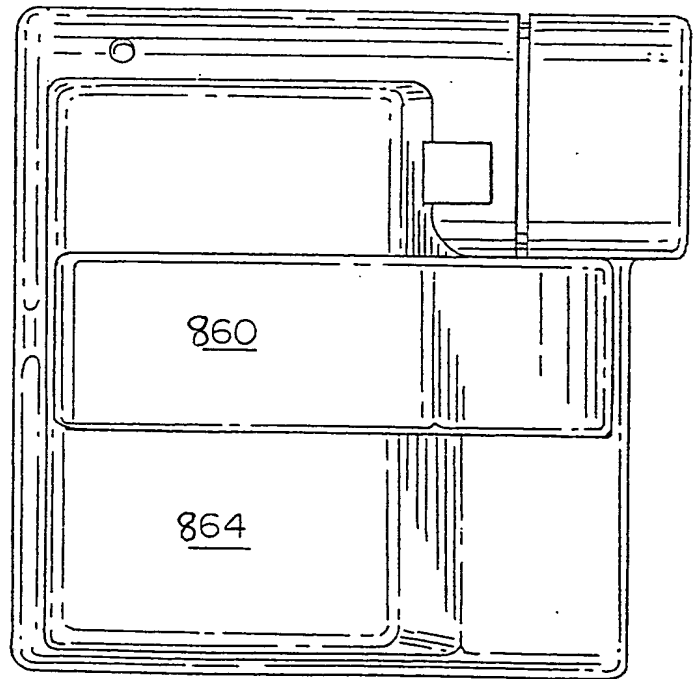


FIG. 21D

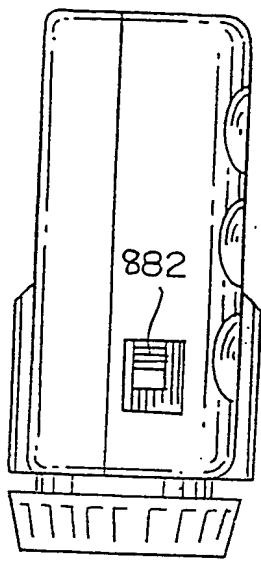


FIG. 21G

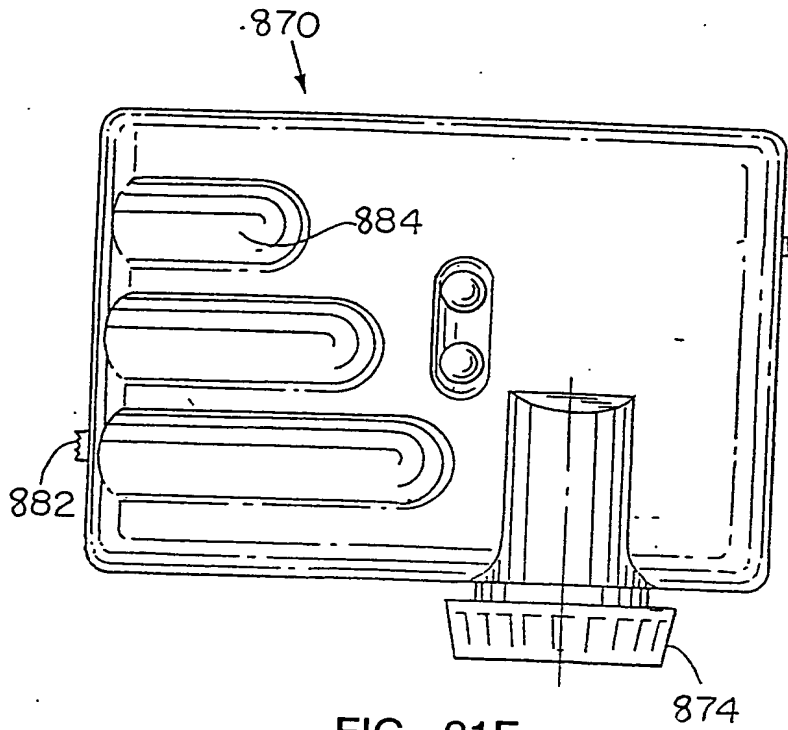


FIG. 21F

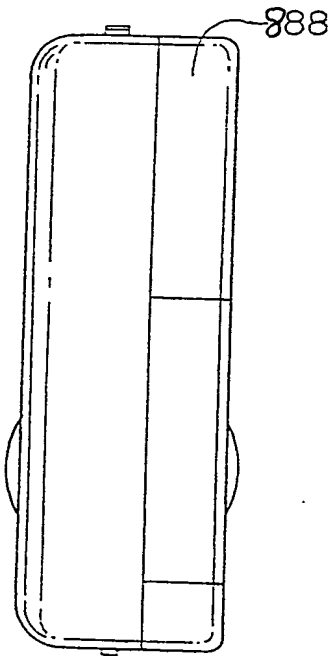


FIG. 21H

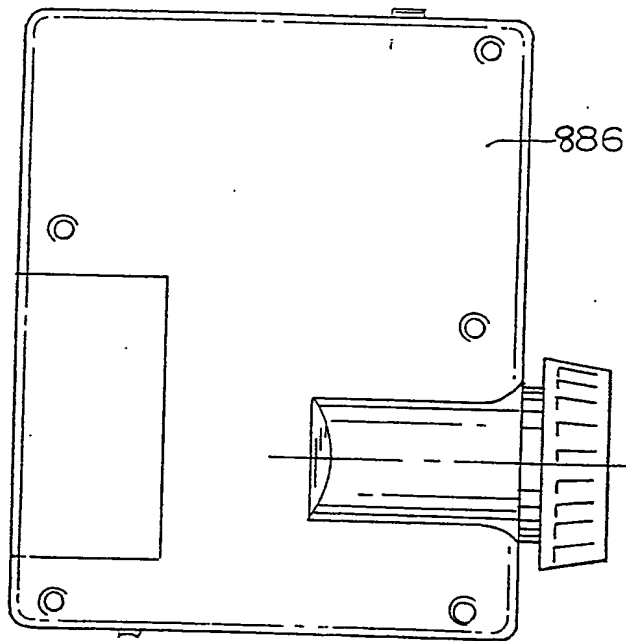


FIG. 21I

FIG. 21J

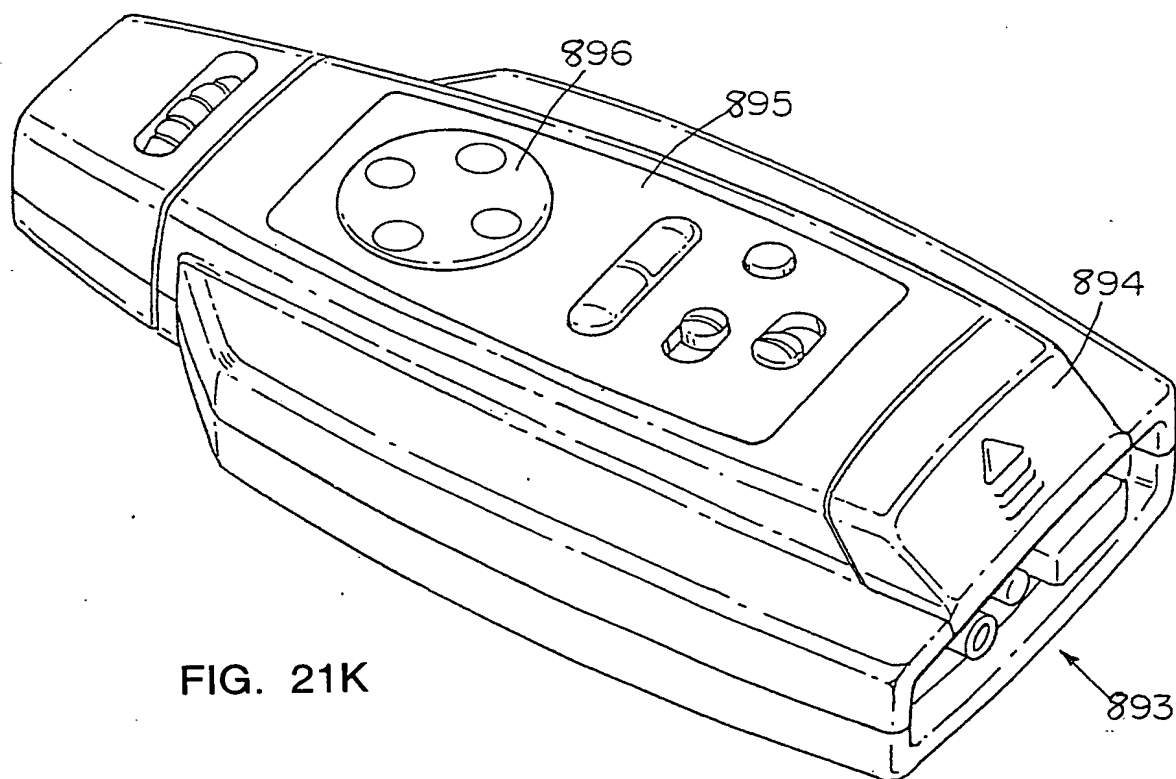
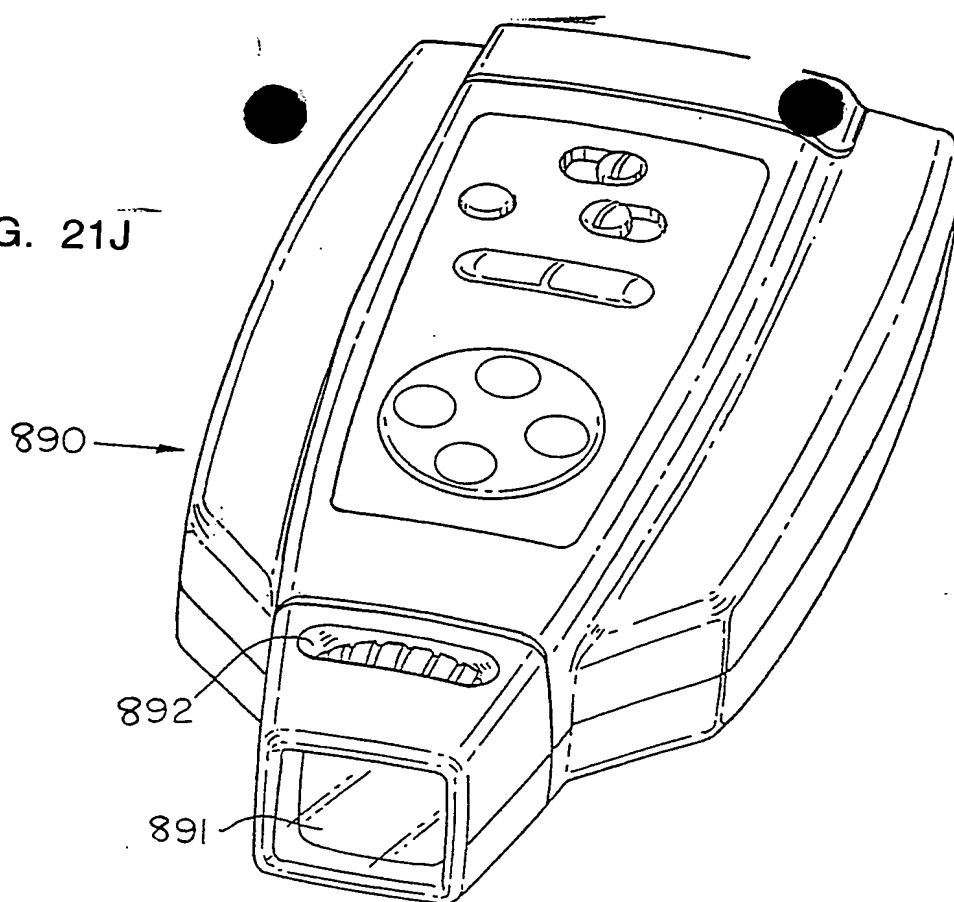


FIG. 21K

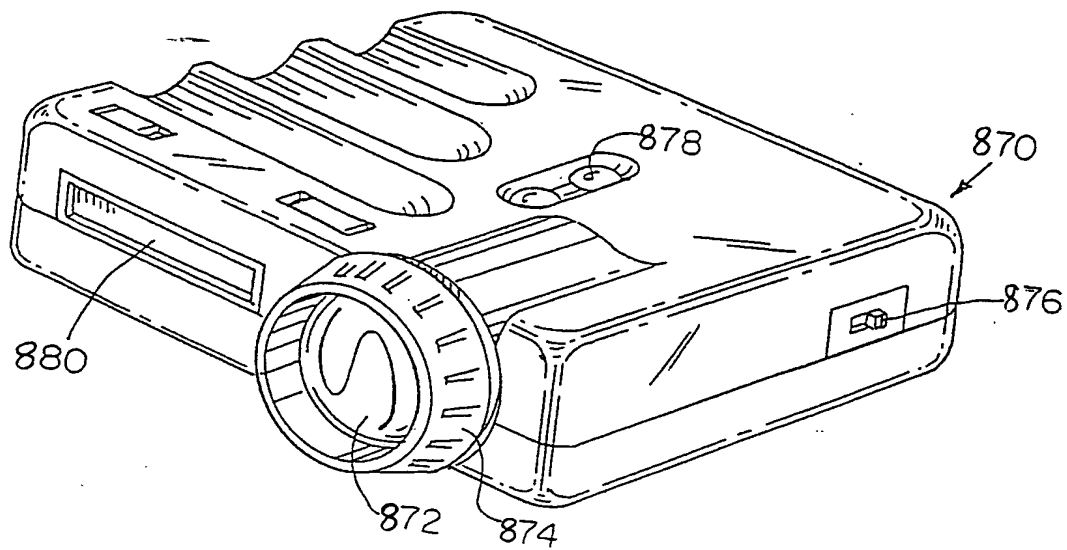


FIG. 21E

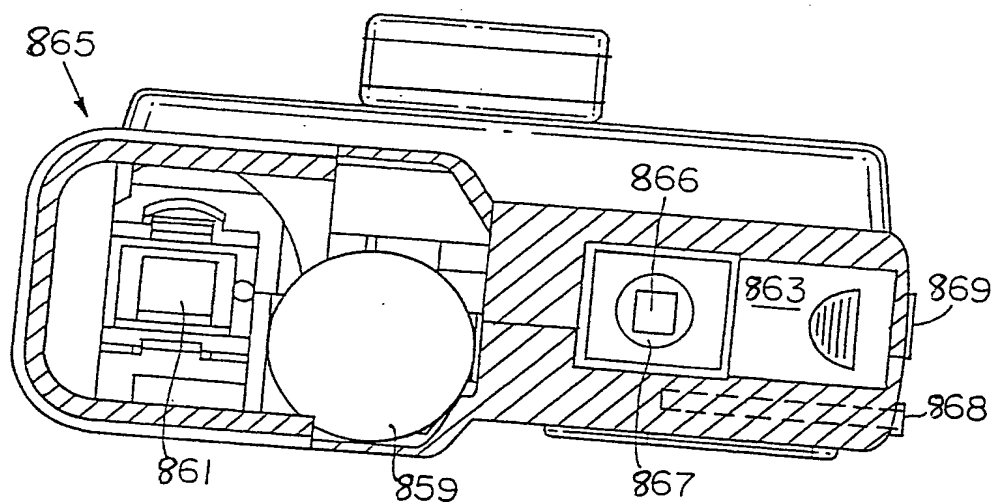


FIG. 22

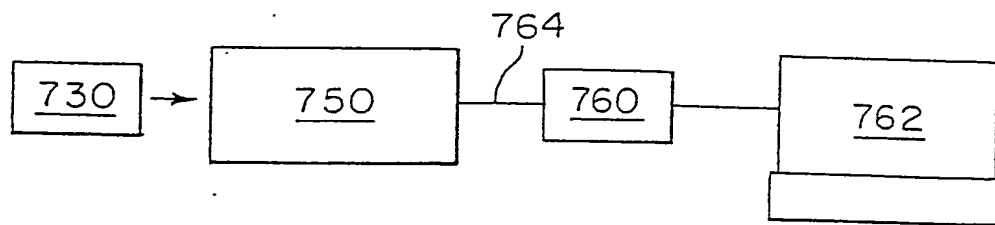


FIG. 23A

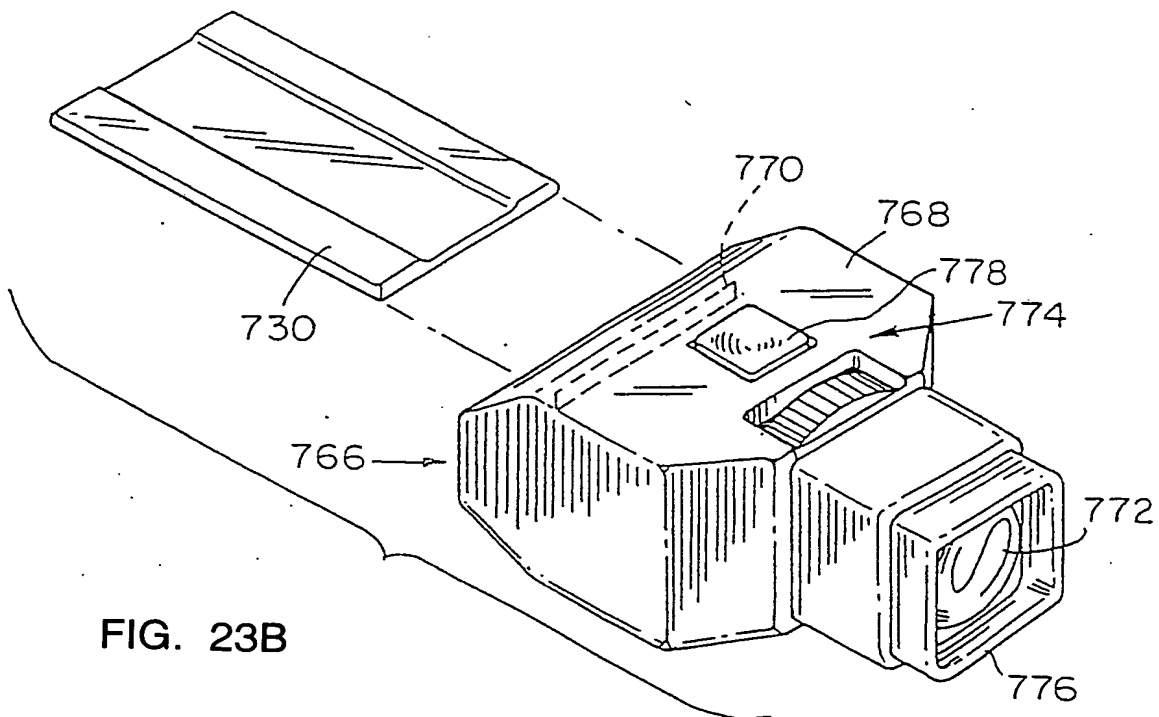


FIG. 23B

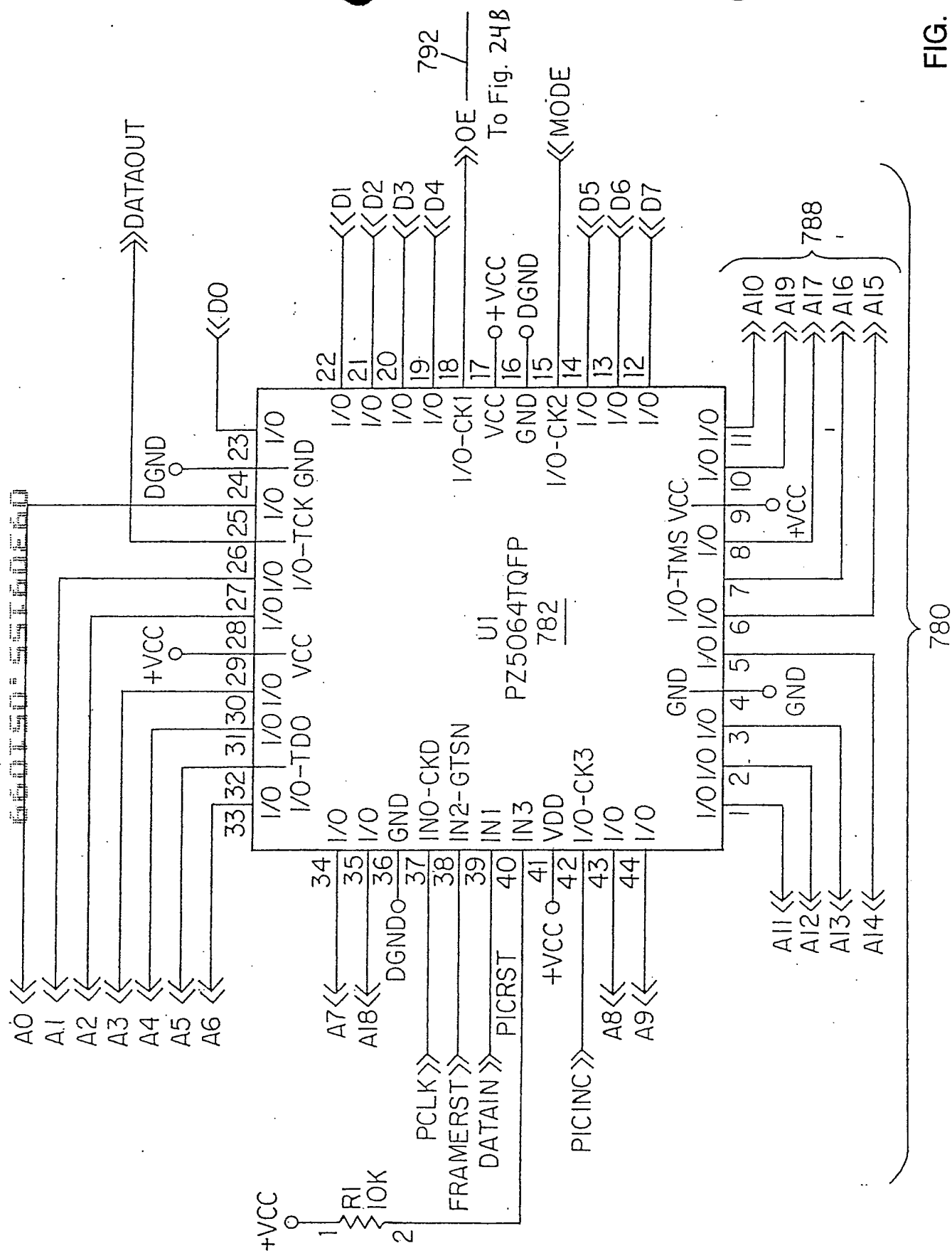


FIG. 24A

660150-5516060

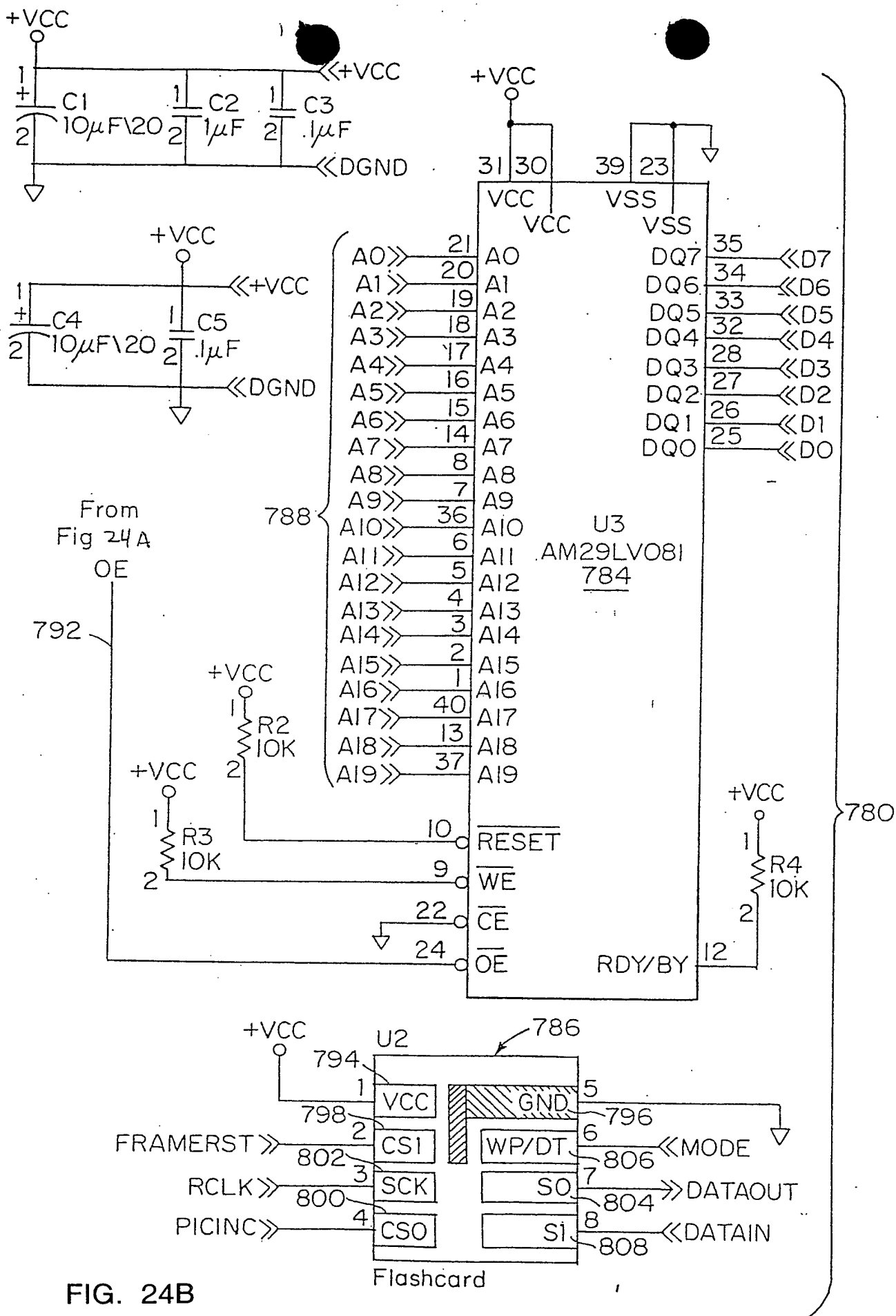


FIG. 24B

660750-55F60260

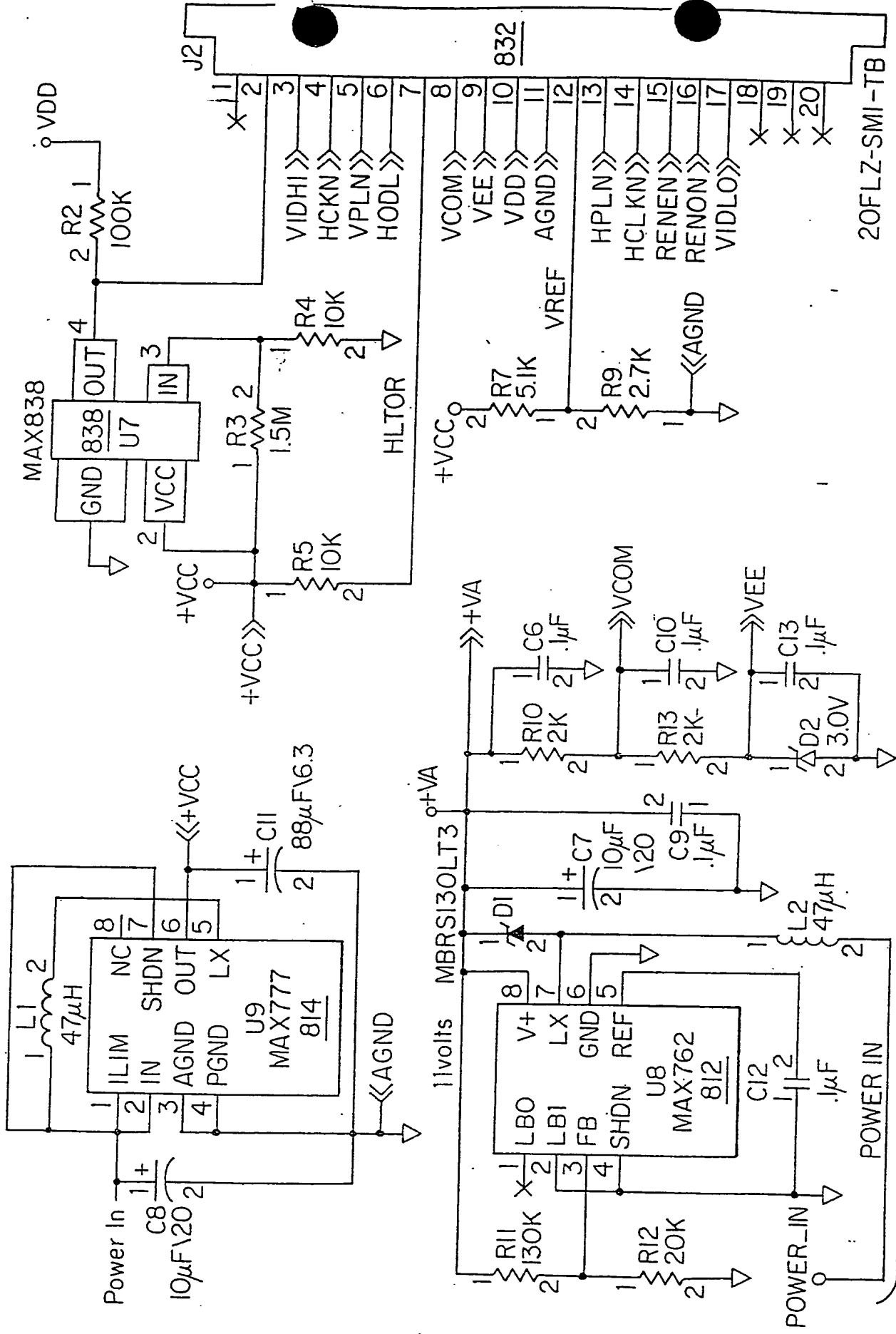


FIG. 25A

000150-55160260

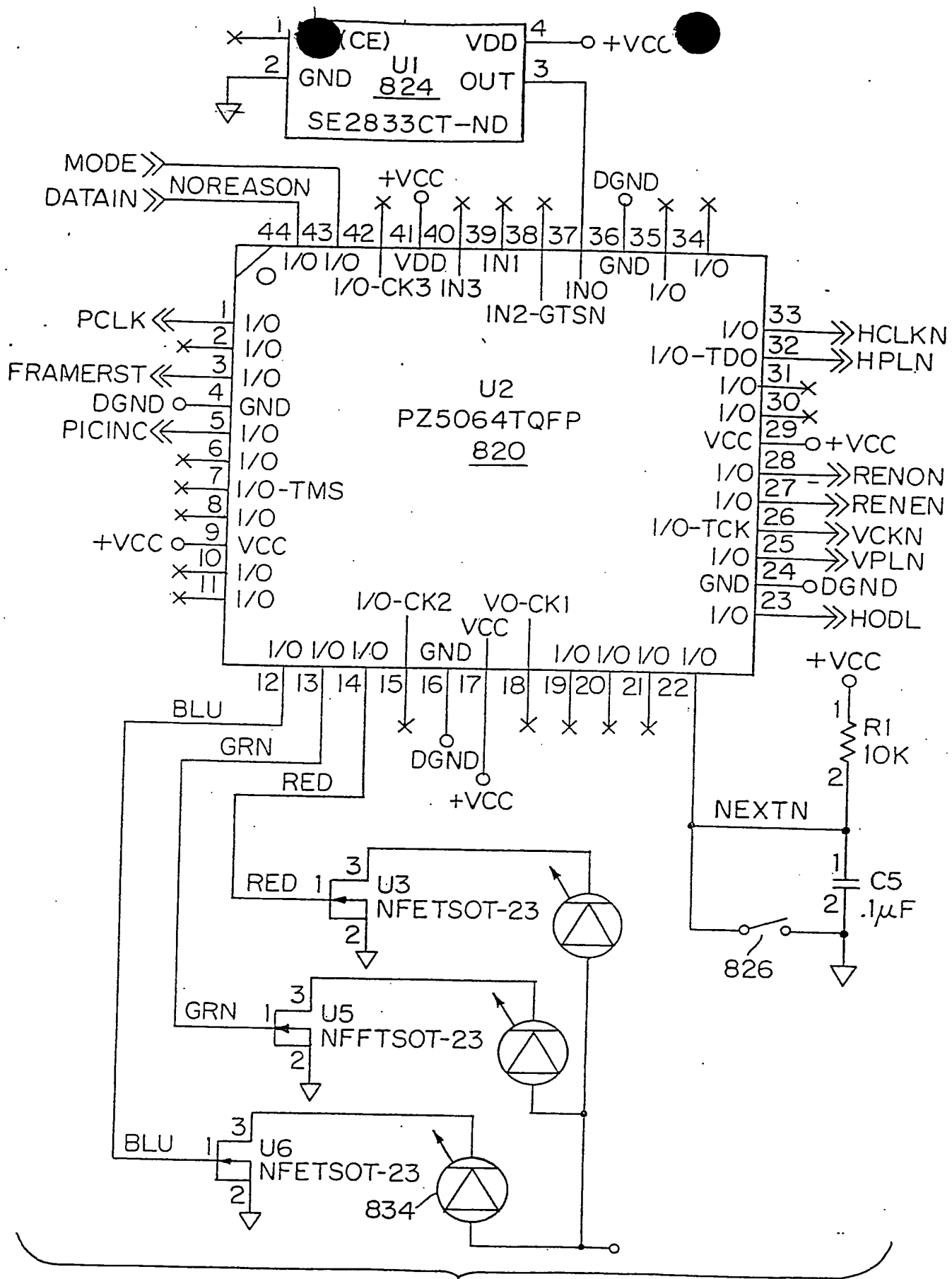


FIG. 25B

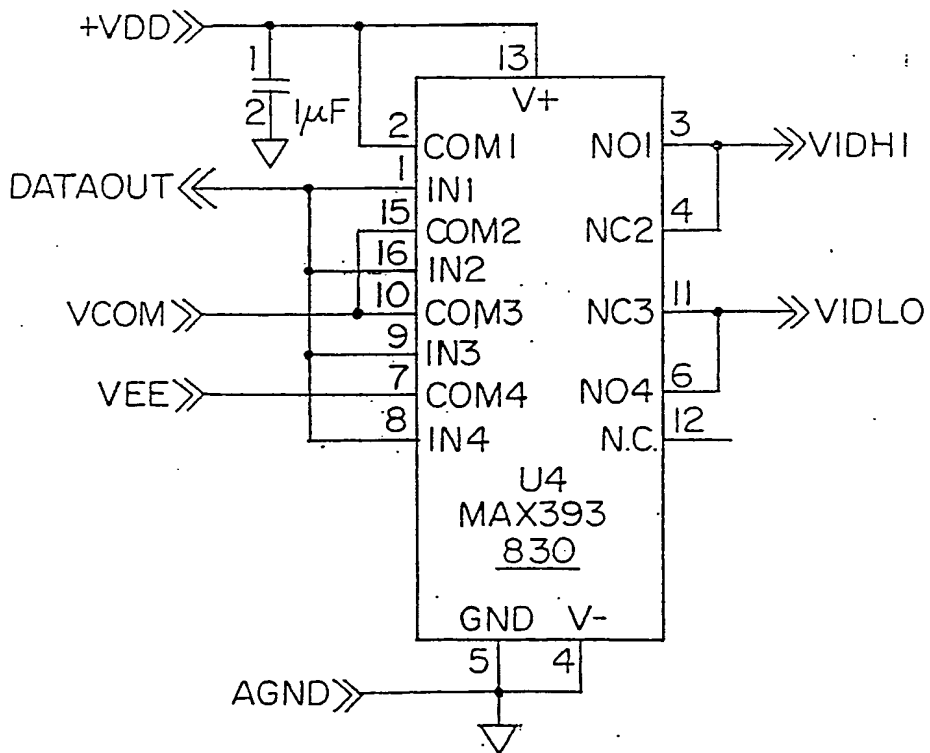
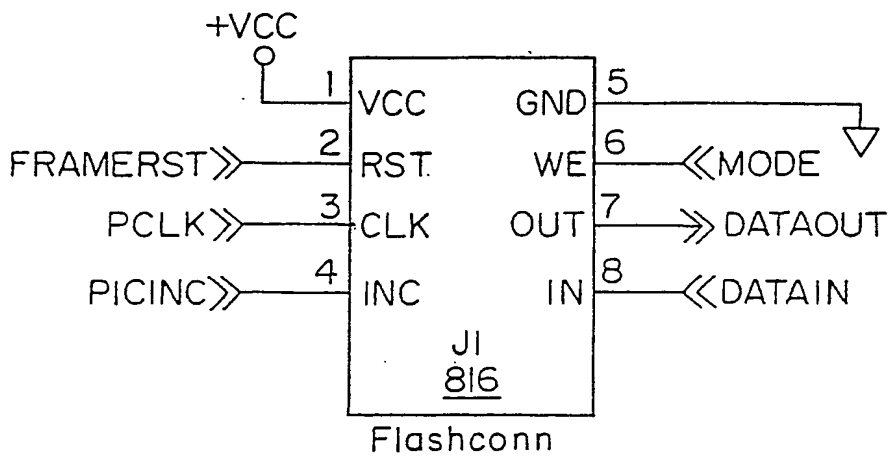
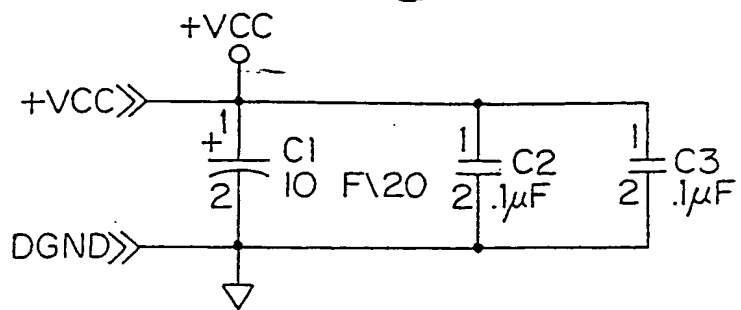


FIG. 25C

660750-9160E60

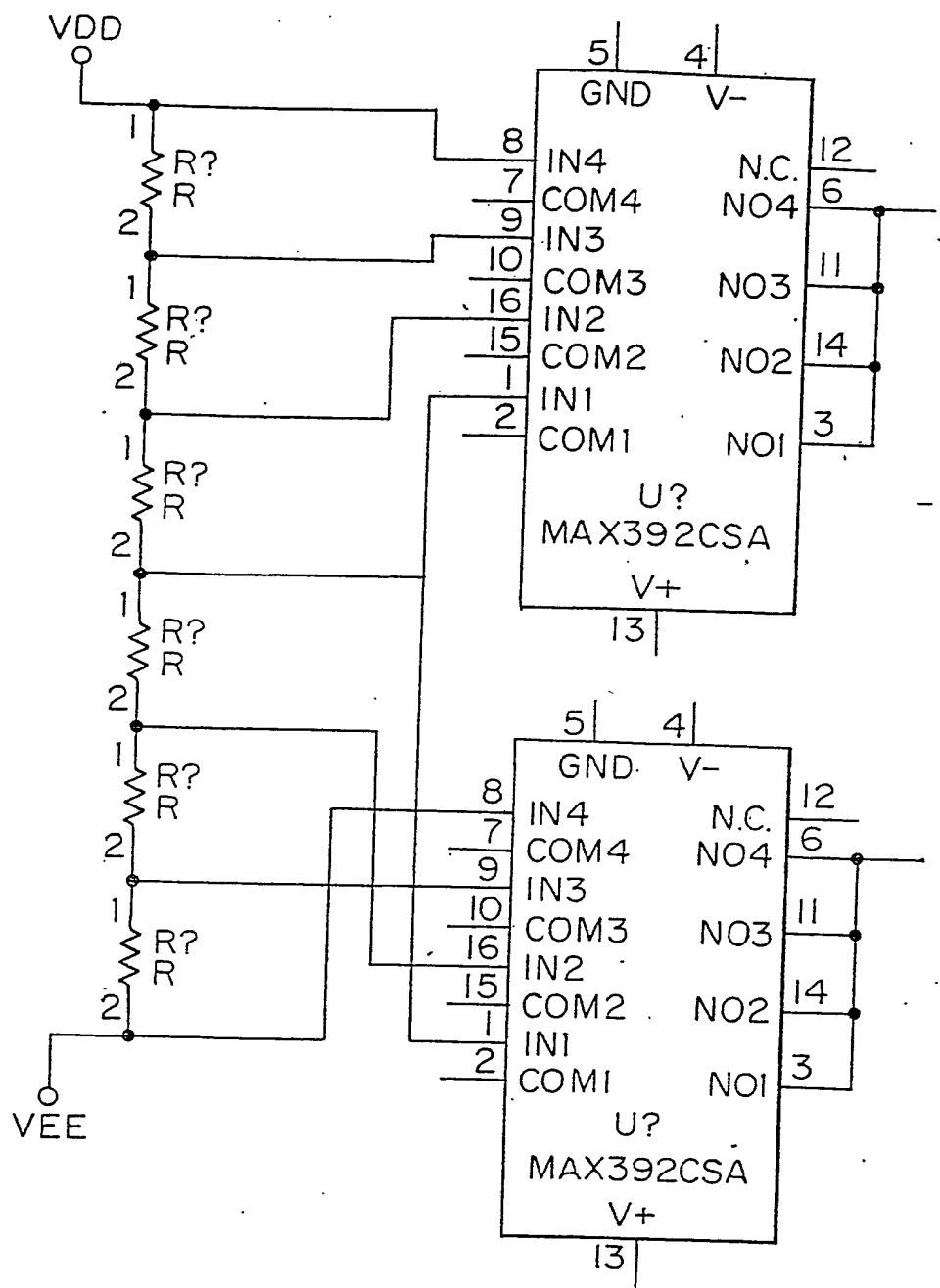


FIG. 26

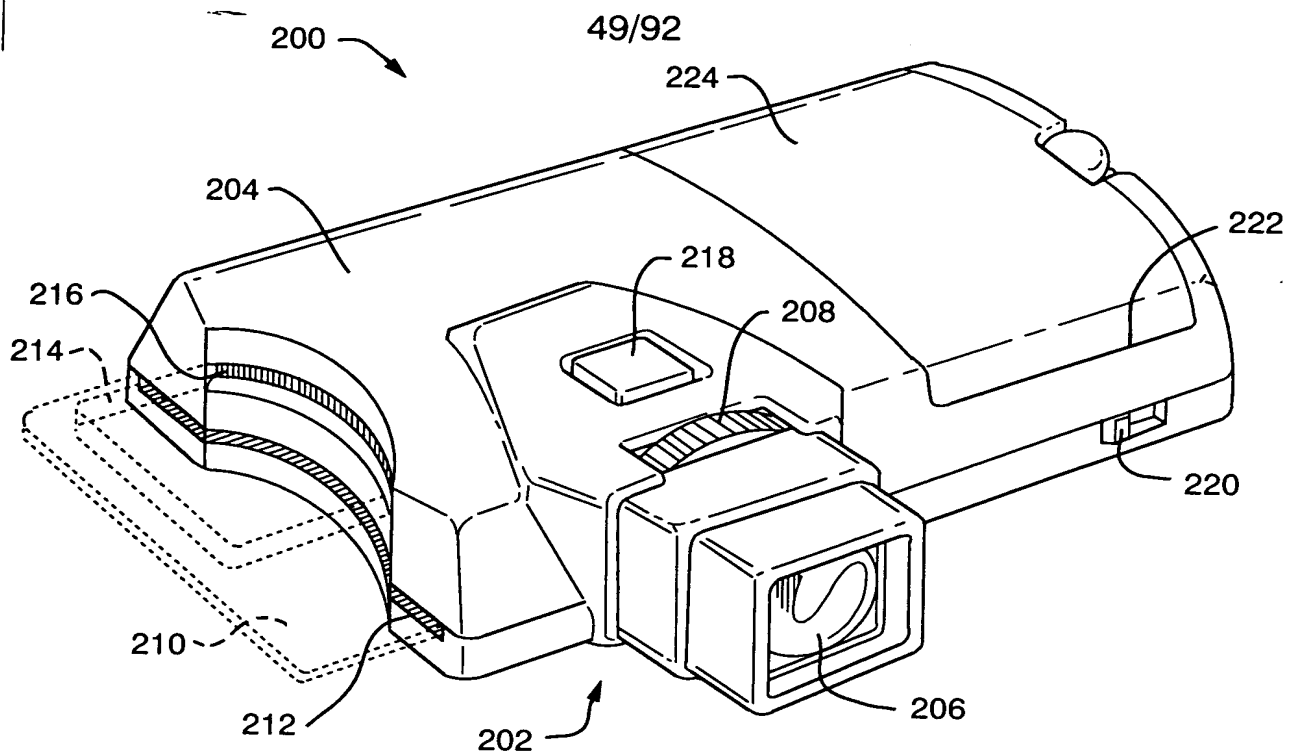


FIG. 27A

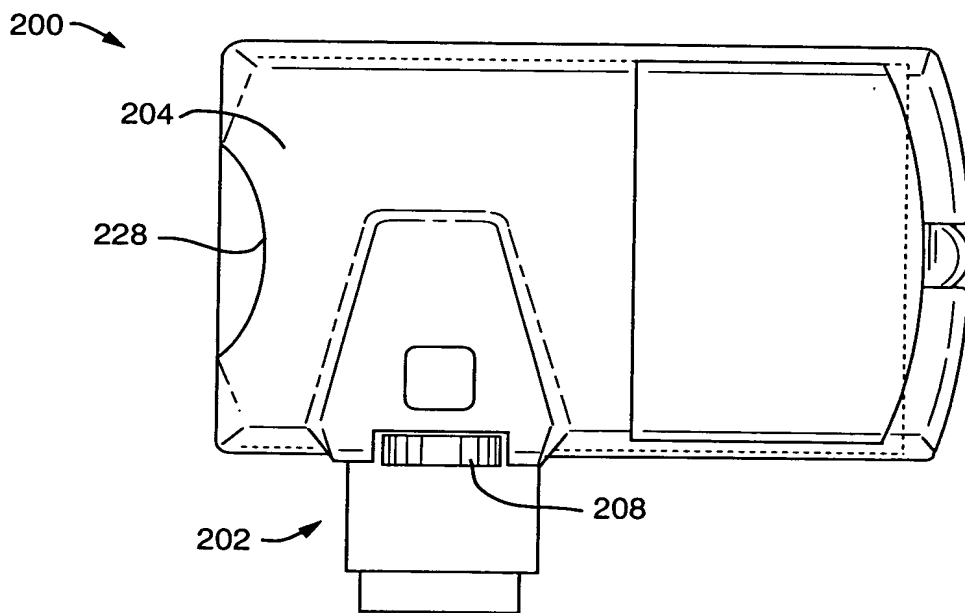


FIG. 27B

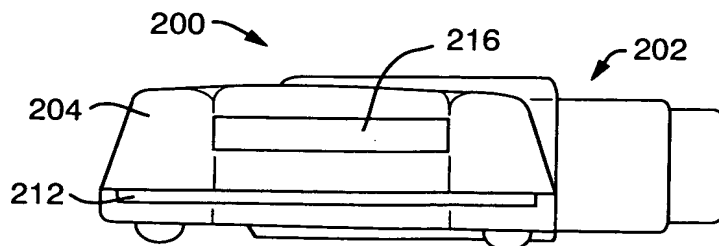


FIG. 27C



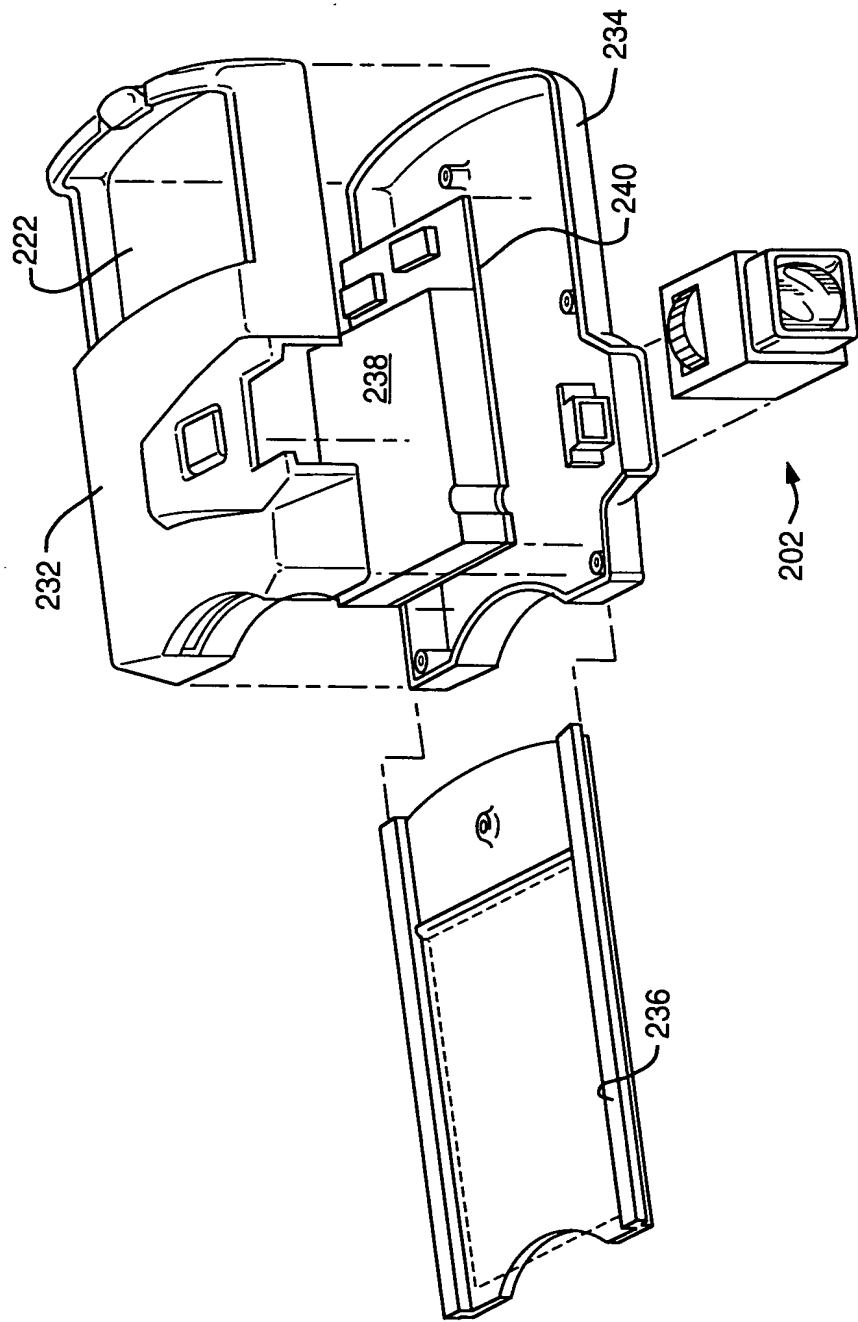


FIG. 27D

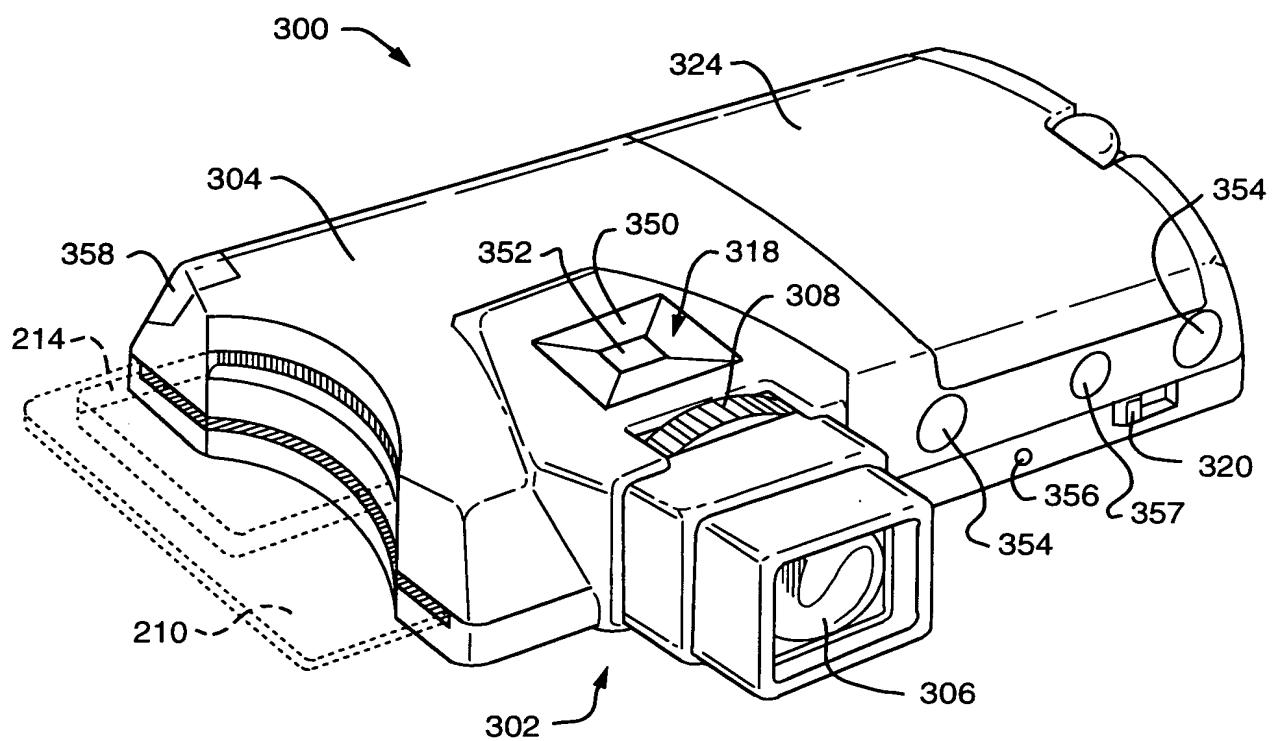


FIG. 28A

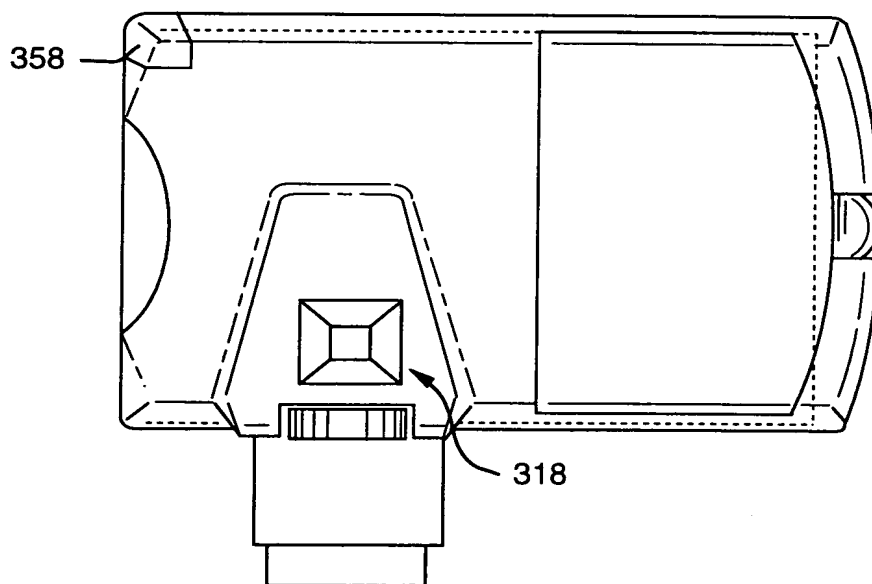


FIG. 28B

660F90-95F60E60

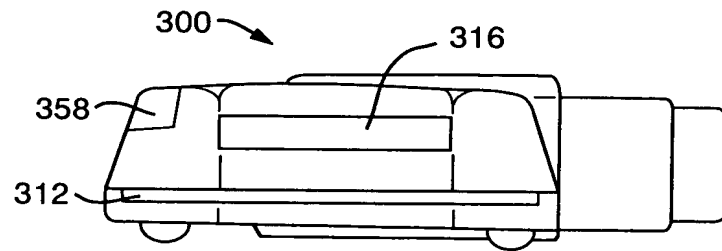


FIG. 28C

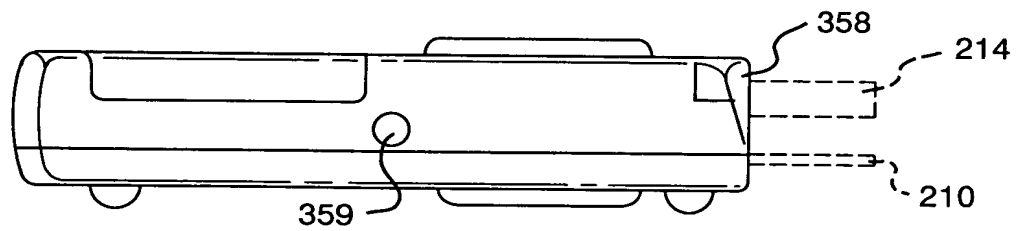


FIG. 28D

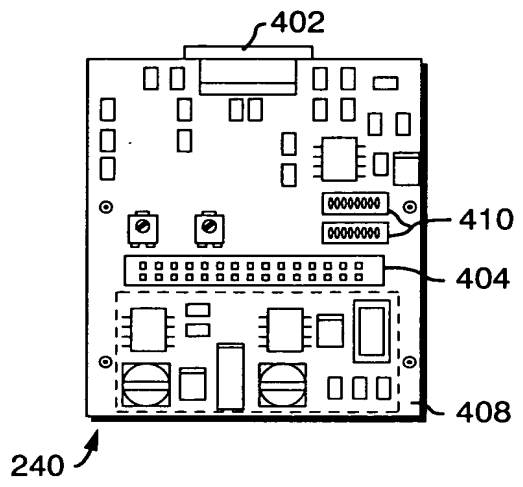


FIG. 29Aa

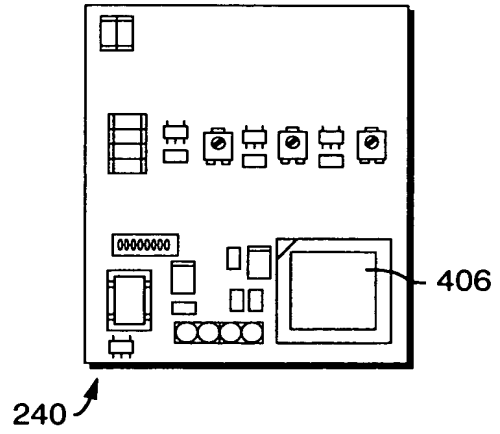


FIG. 29Ab

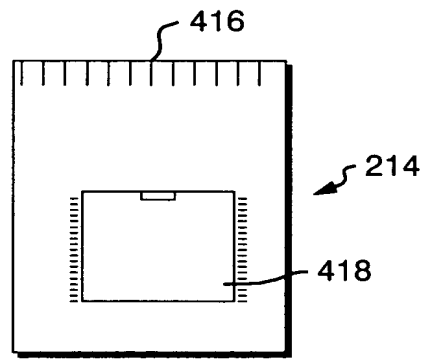


FIG. 29Ba

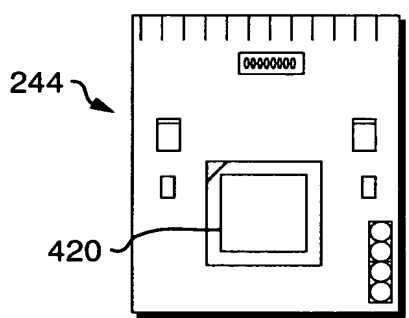


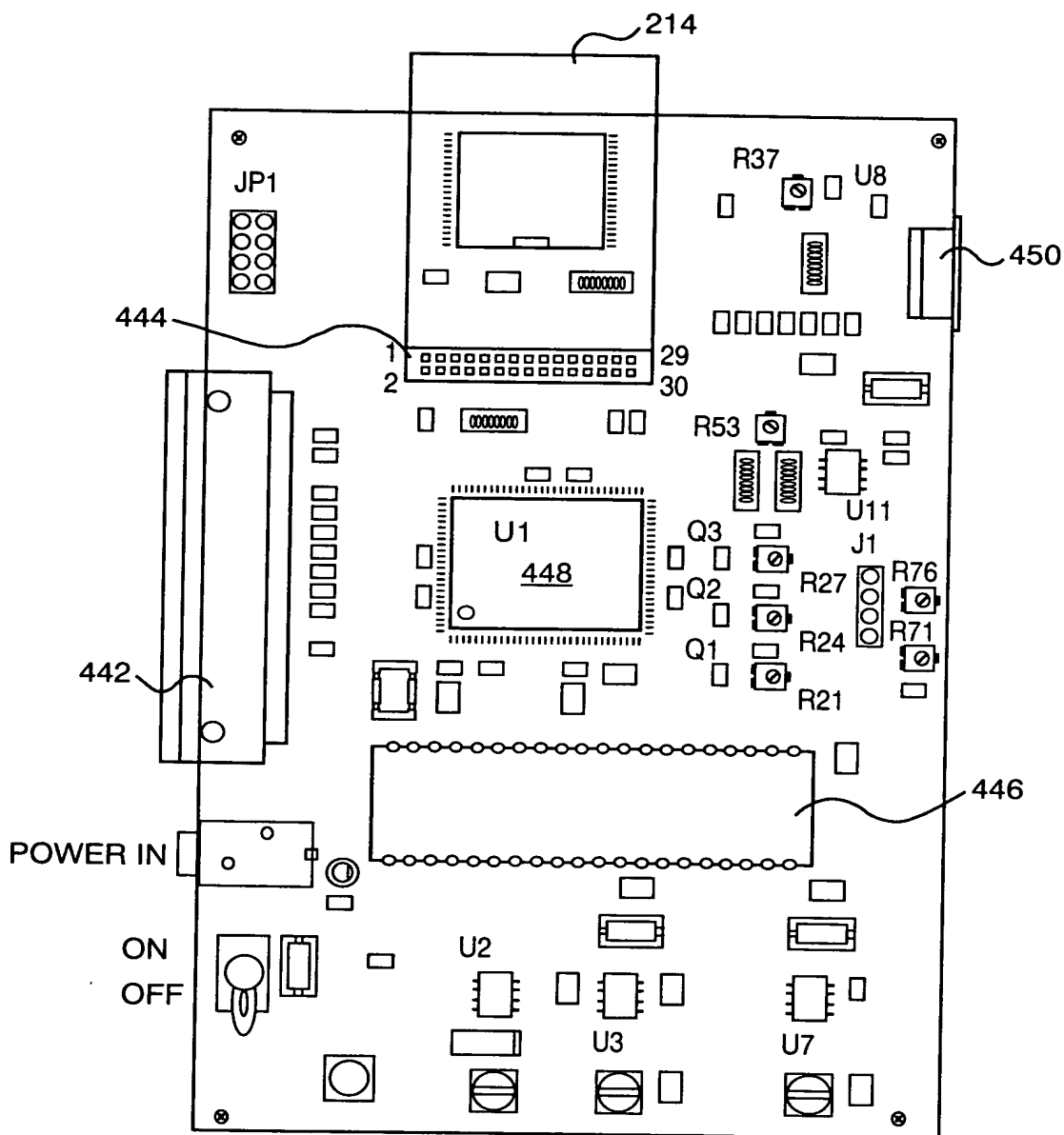
FIG. 29Bb

660750-5160E60





660790-9160260



NEXT PICTURE



FIG. 29C



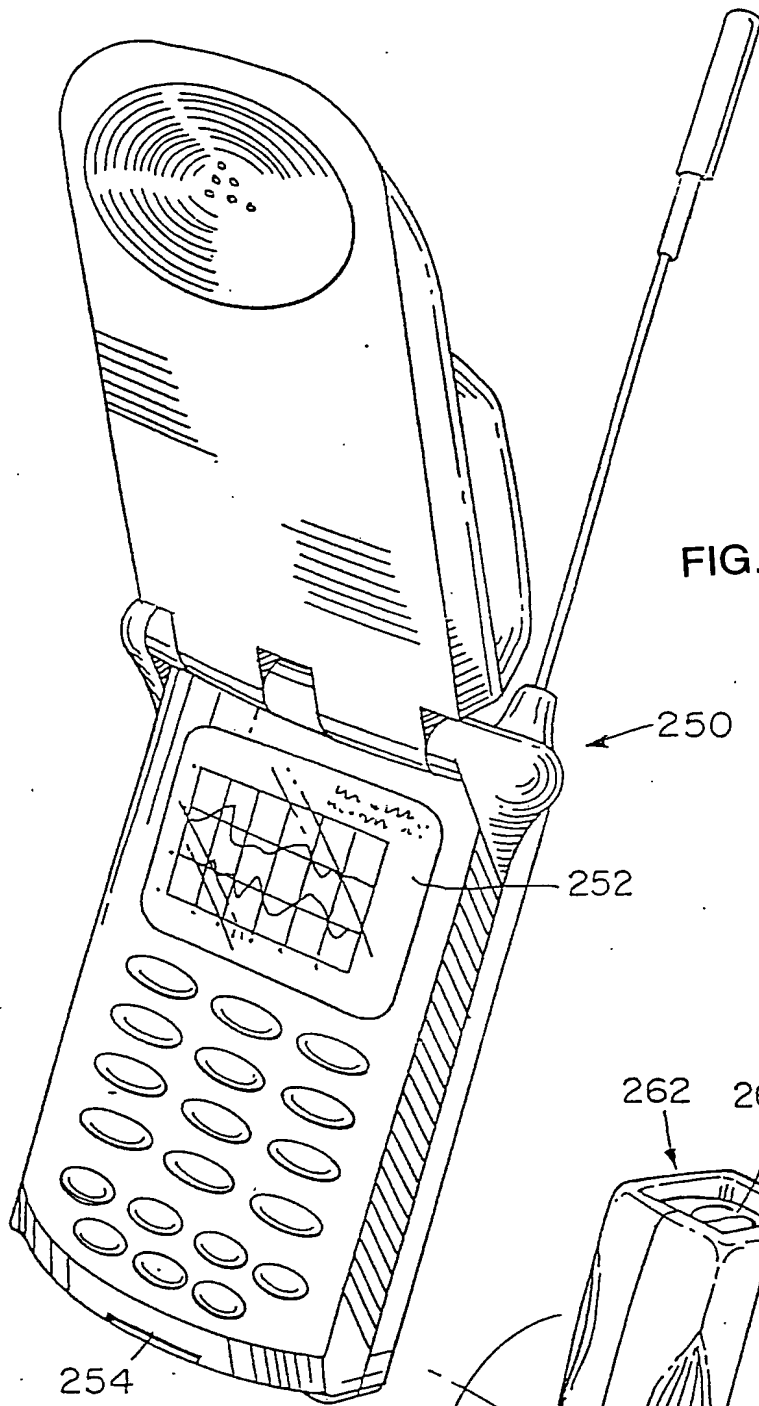


FIG. 30A

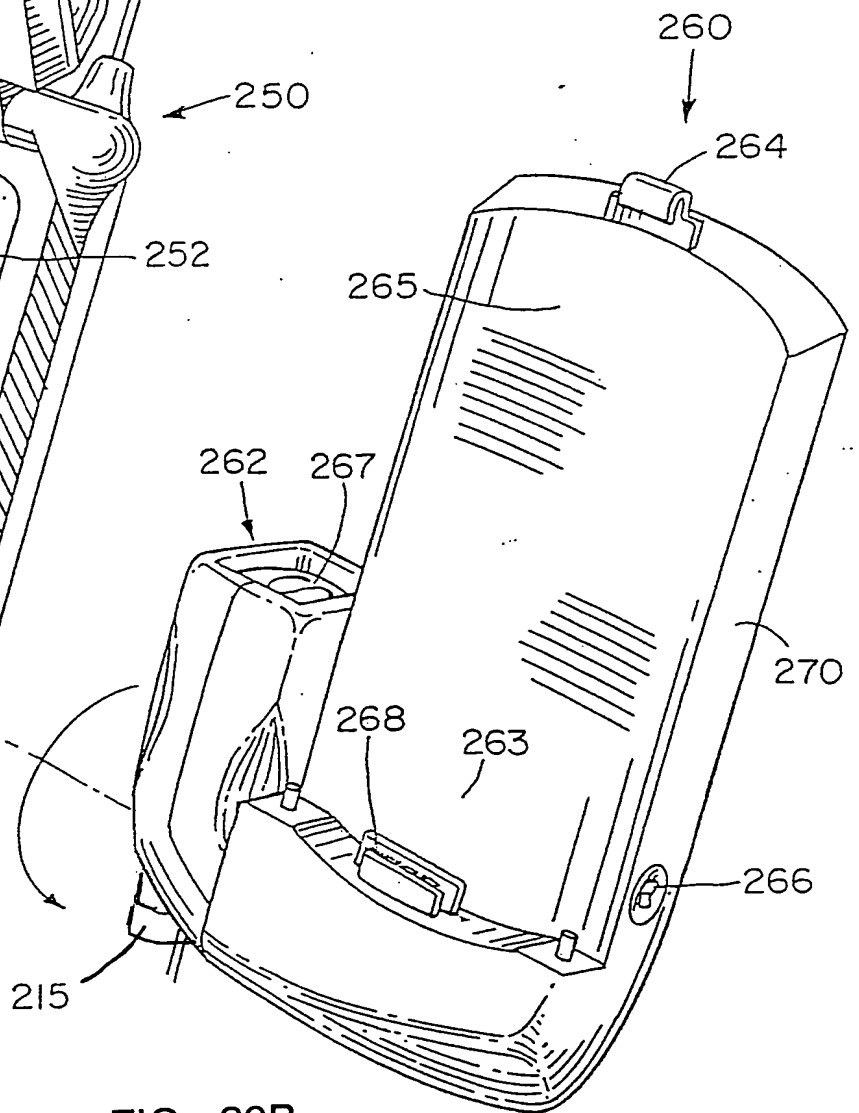


FIG. 30B

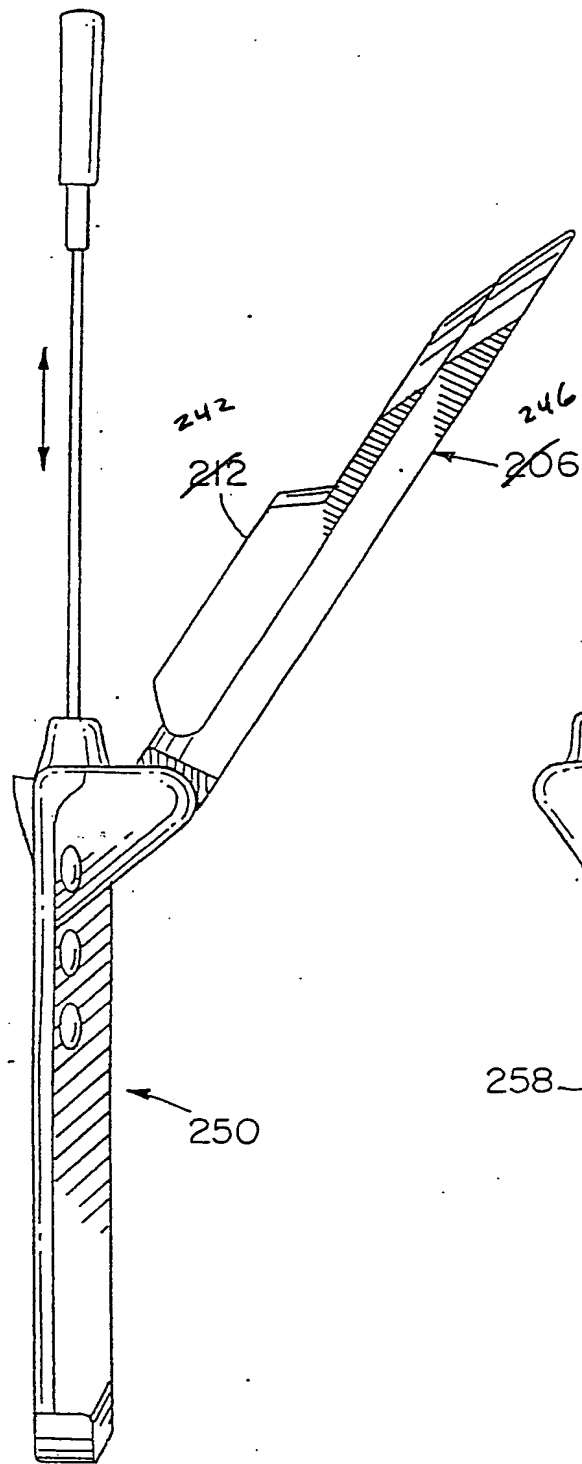


FIG. 30C

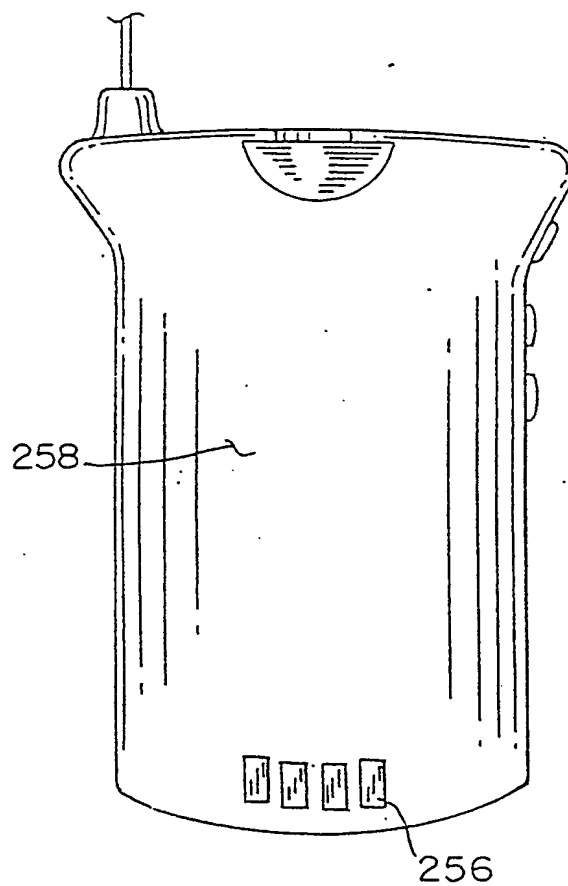


FIG. 30D

660F50: 94F60E60

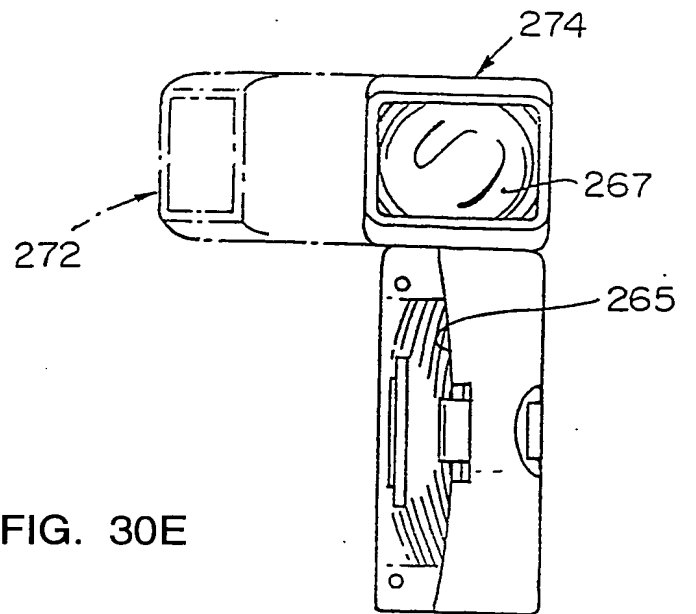


FIG. 30E

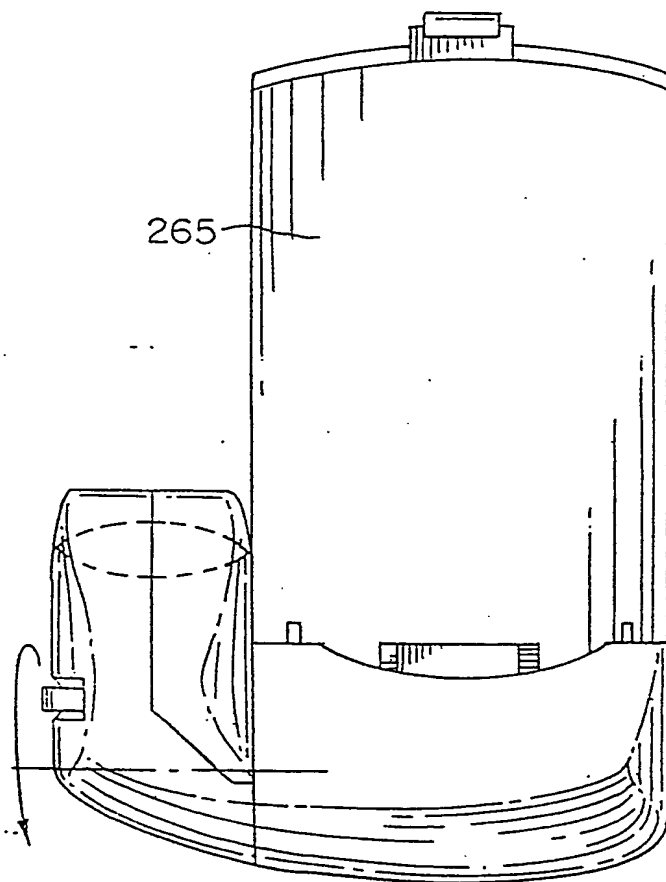


FIG. 30F

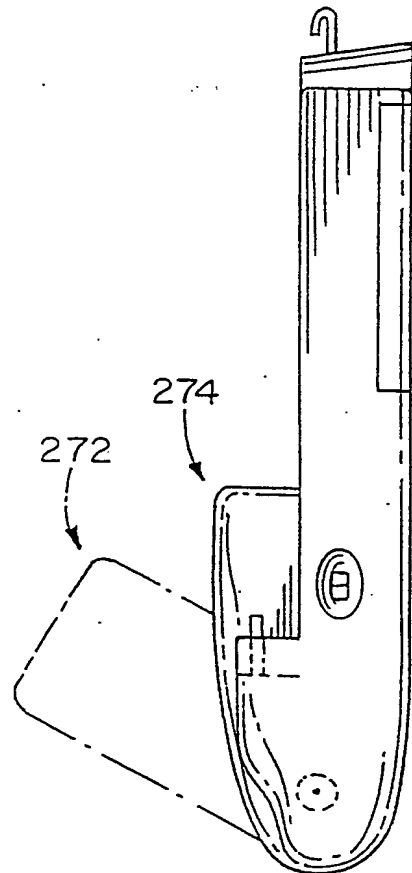


FIG. 30G

660450-9460E60

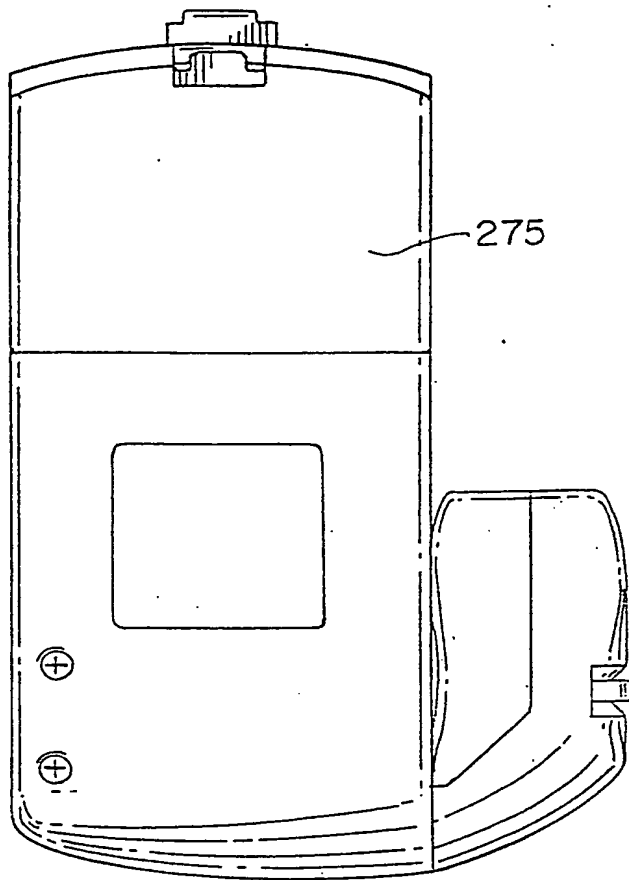


FIG. 30H

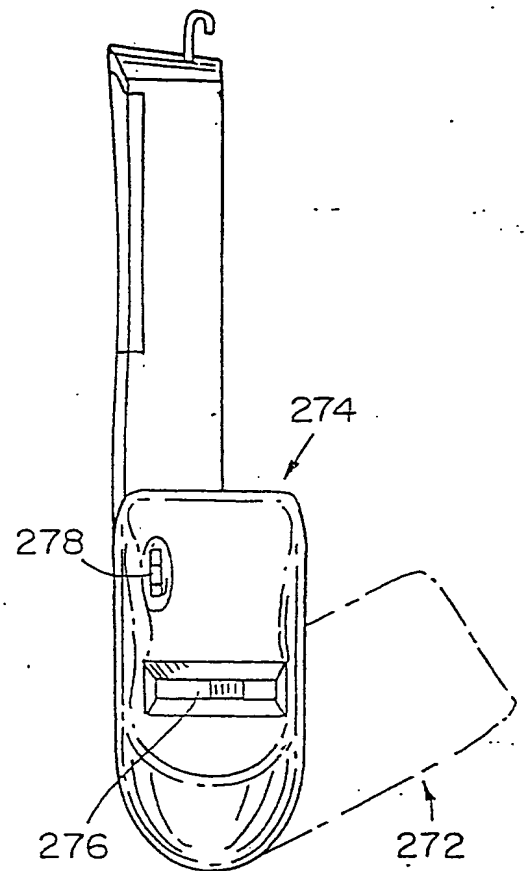


FIG. 30I

A perspective view of a mobile phone 280. The phone has a display 284 and a keypad 286. A cover 282 is shown partially open, revealing a camera lens 288. The cover is hinged at 290 and 292, and the keypad area is labeled 294 and 296.

FIG. 30J

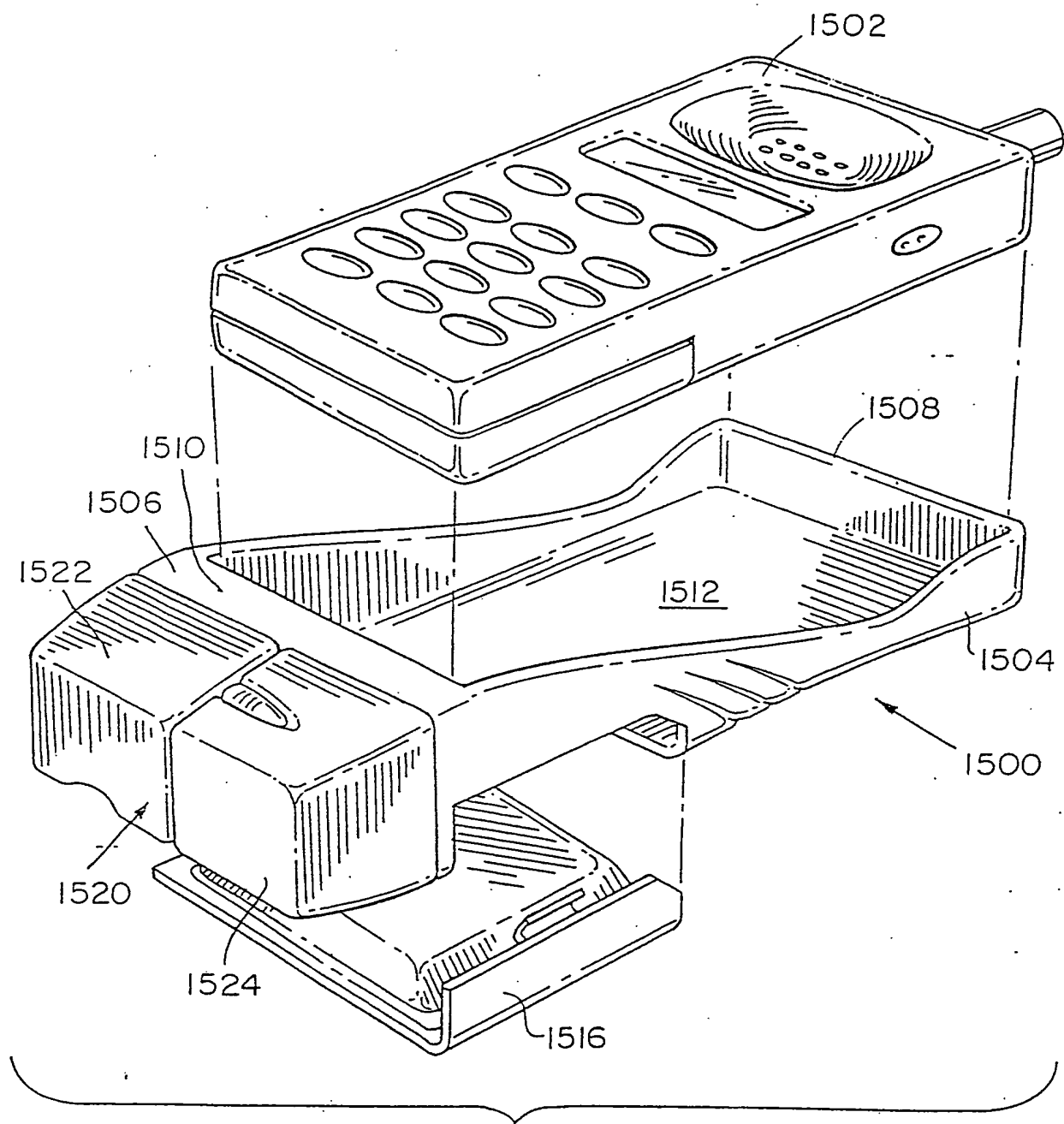


FIG. 31A

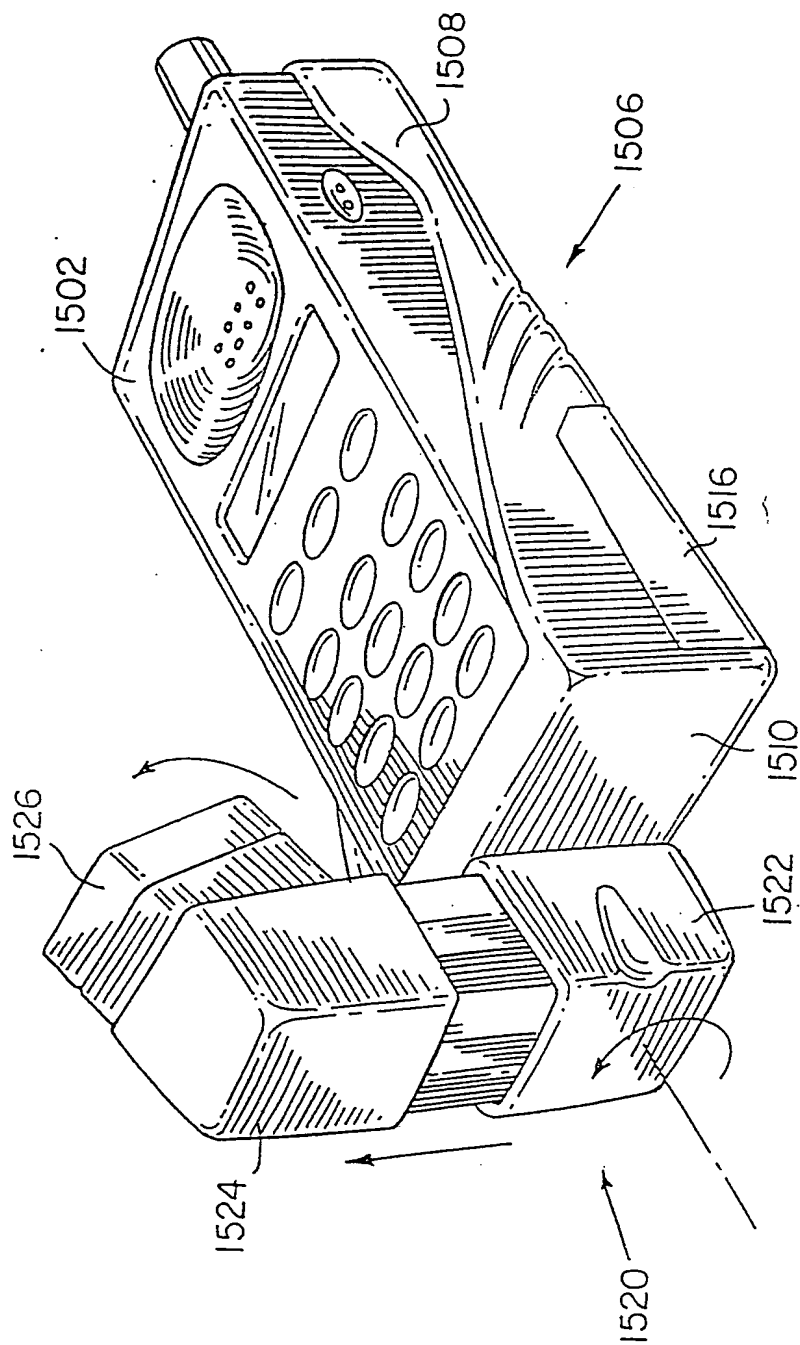


FIG. 31B

FIG. 31C

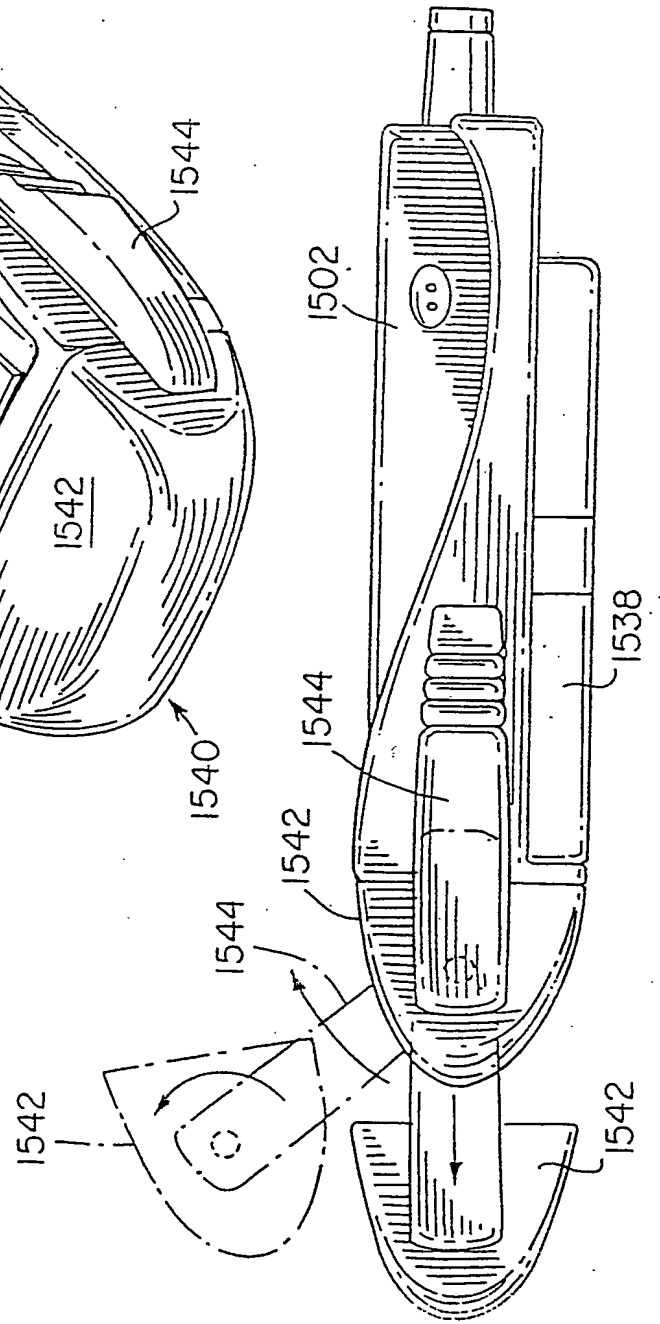
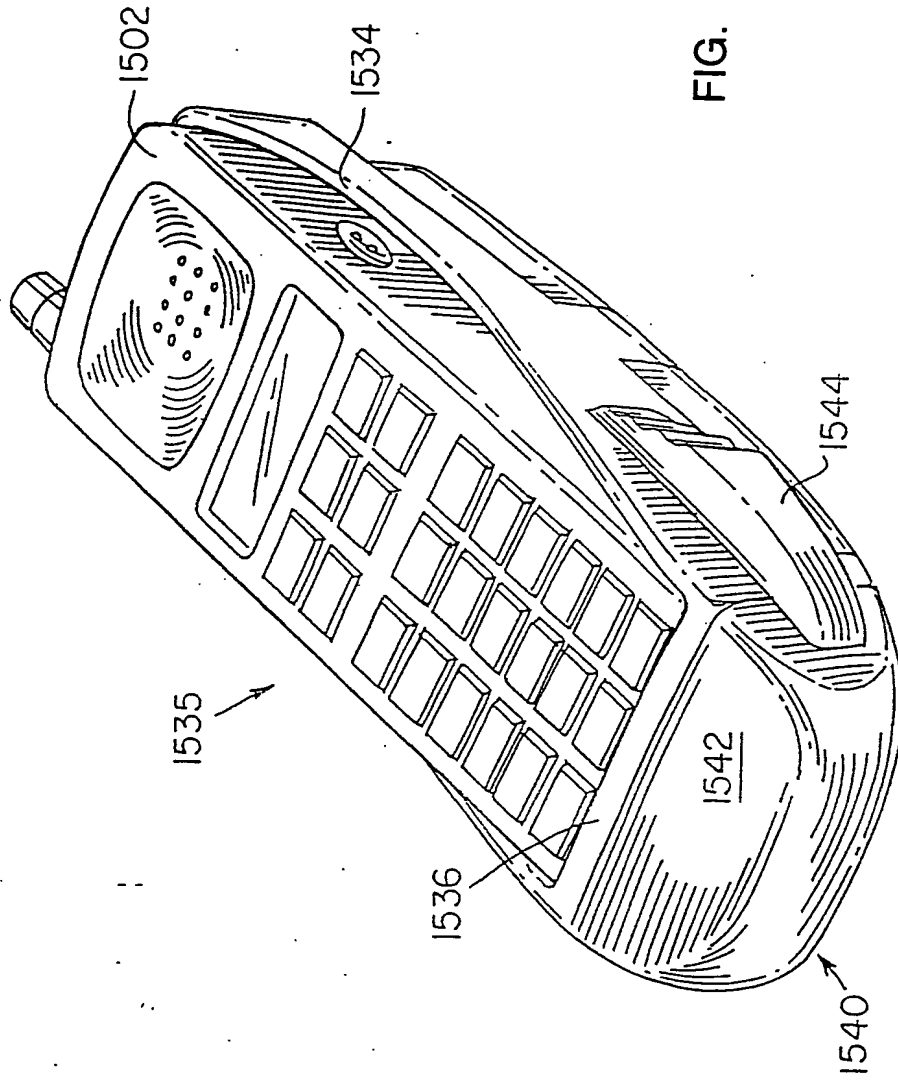




FIG. 32A

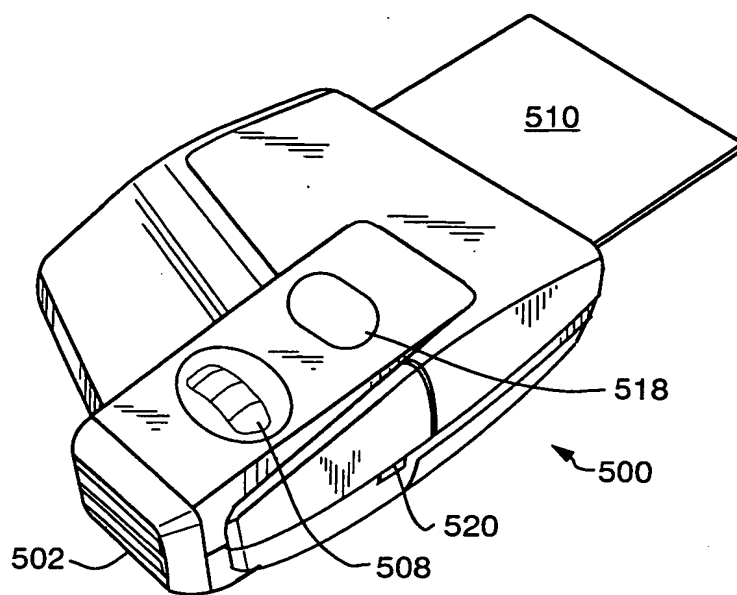


FIG. 32B

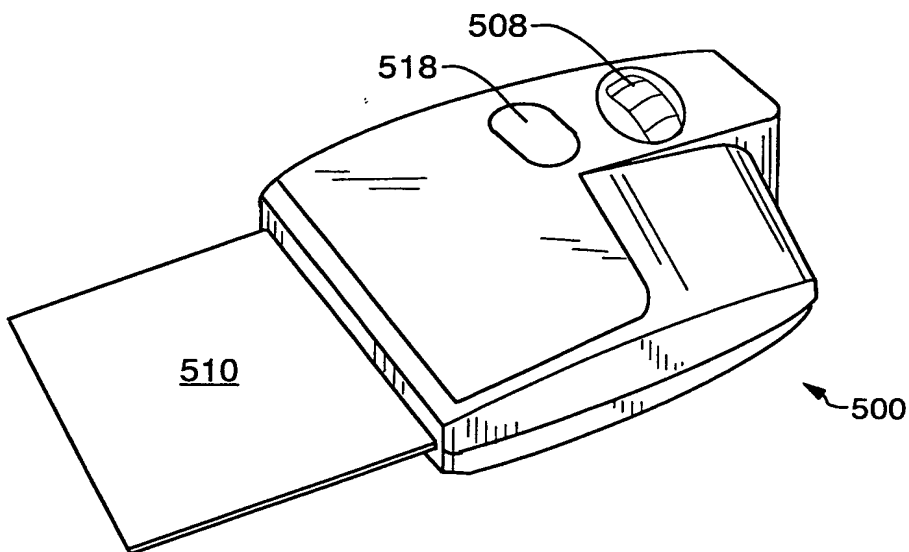
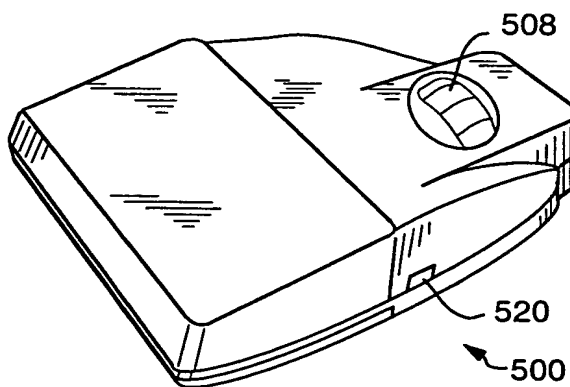


FIG. 32C



660750-59160E60



600F50: 916060

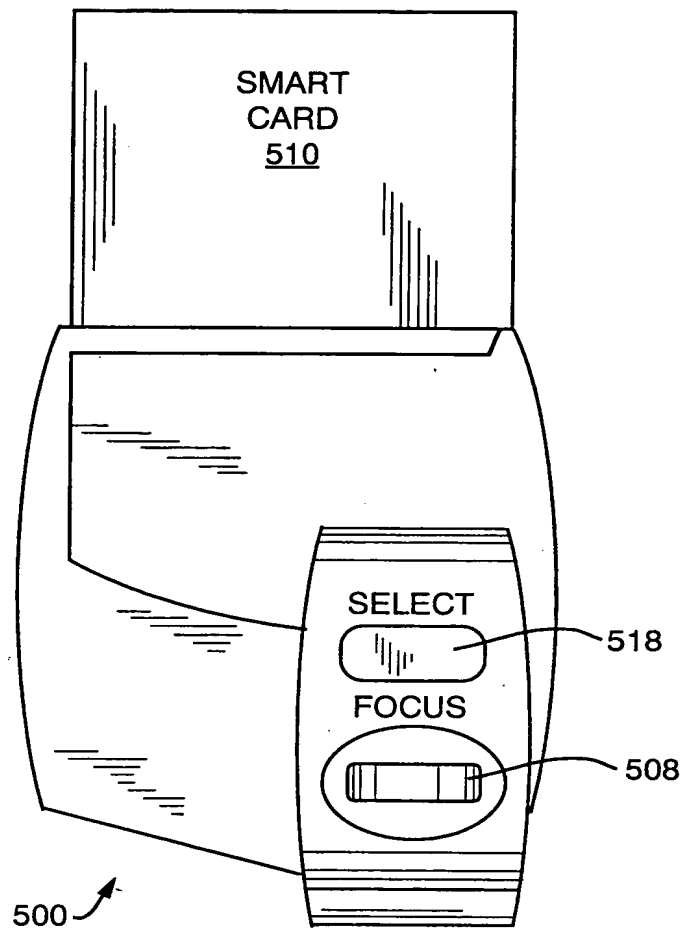


FIG. 32D

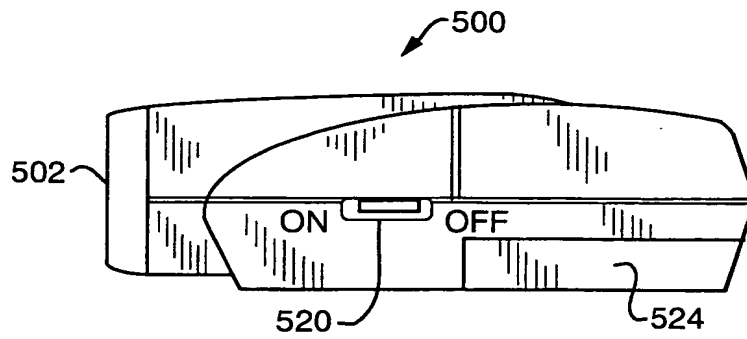


FIG. 32E

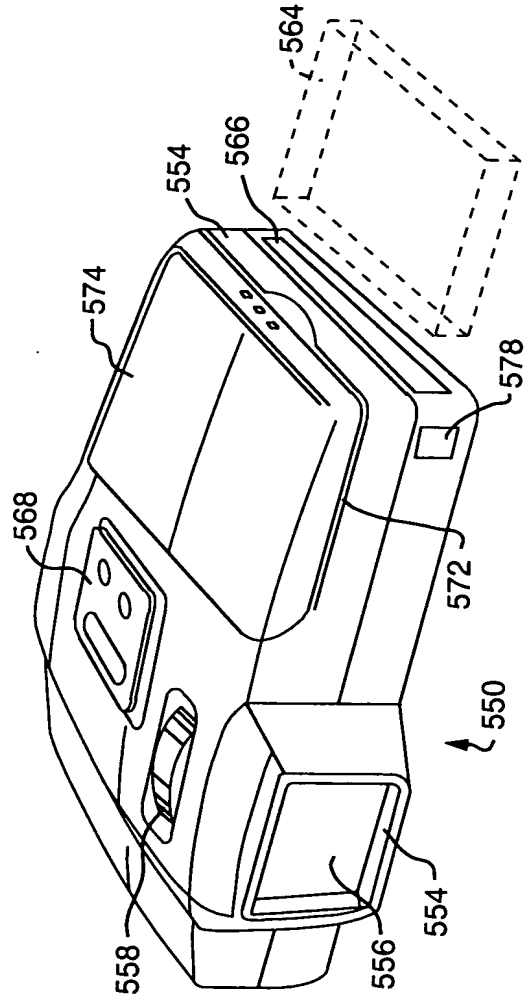


FIG. 33A

00000000000000000000

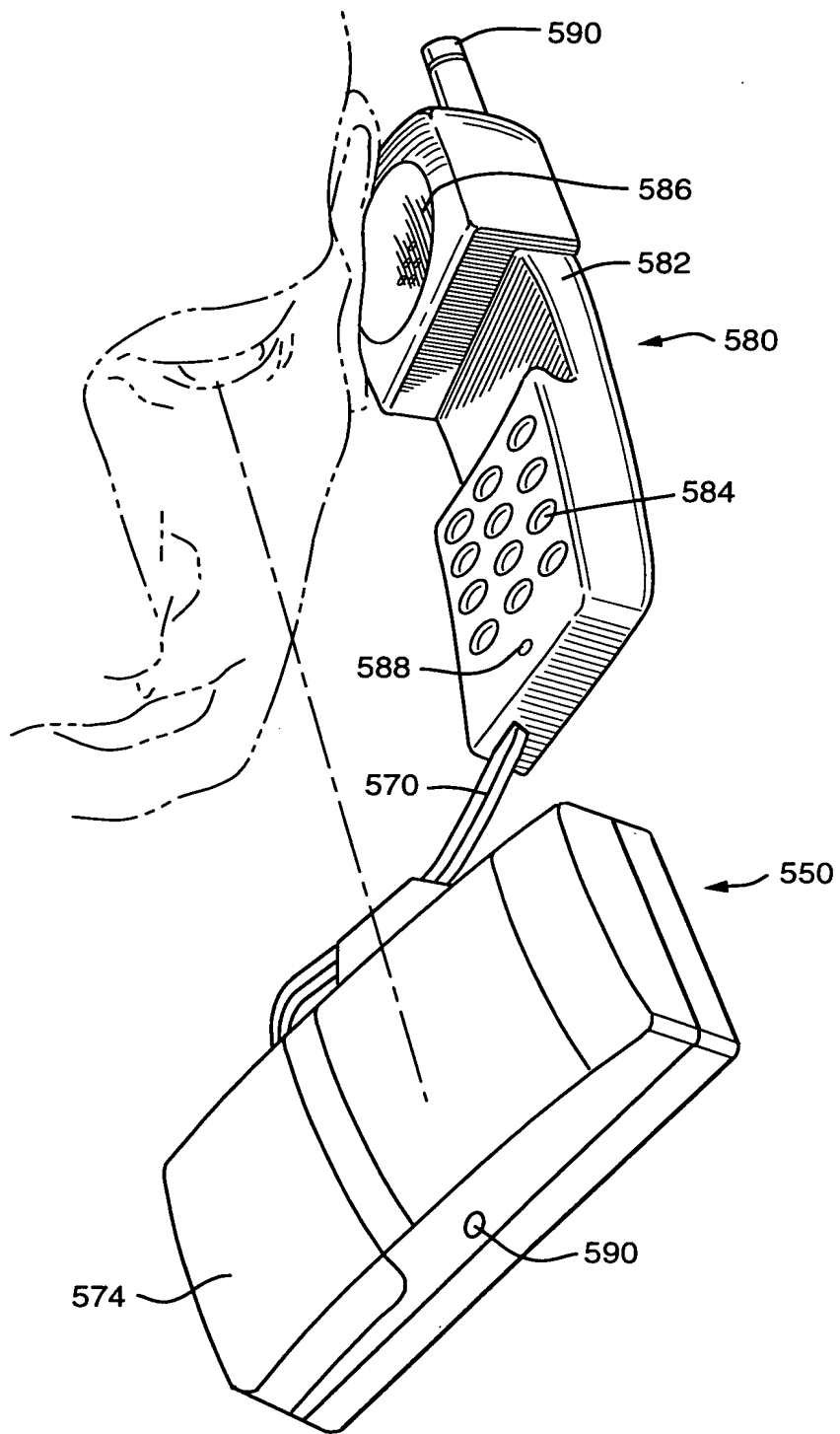


FIG. 33B

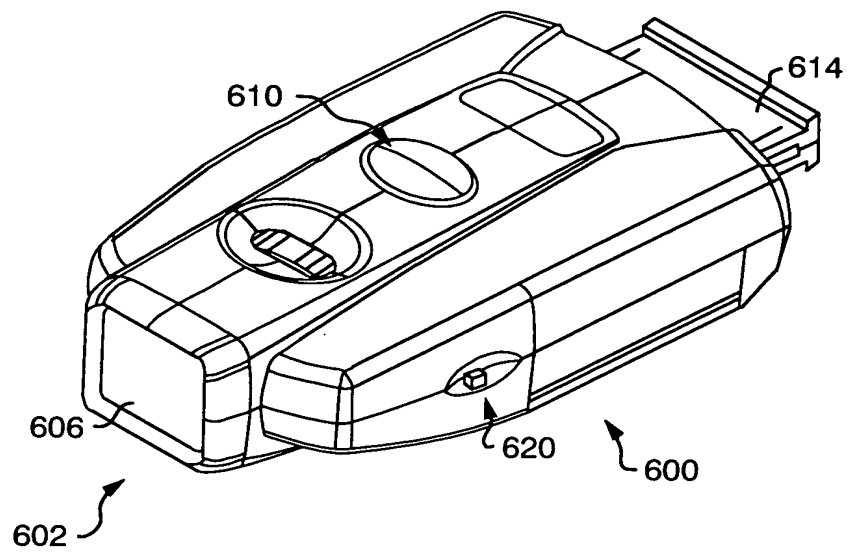


FIG. 34A

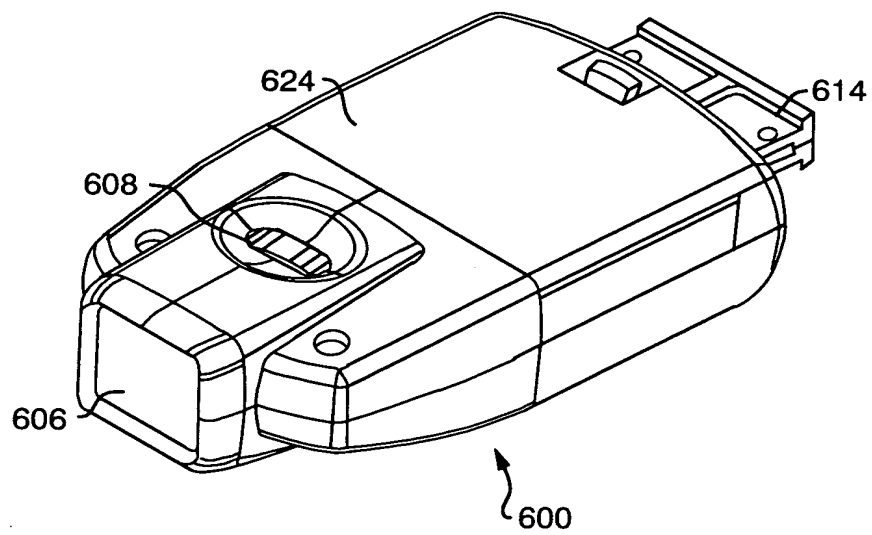


FIG. 34B



600-34A-34B

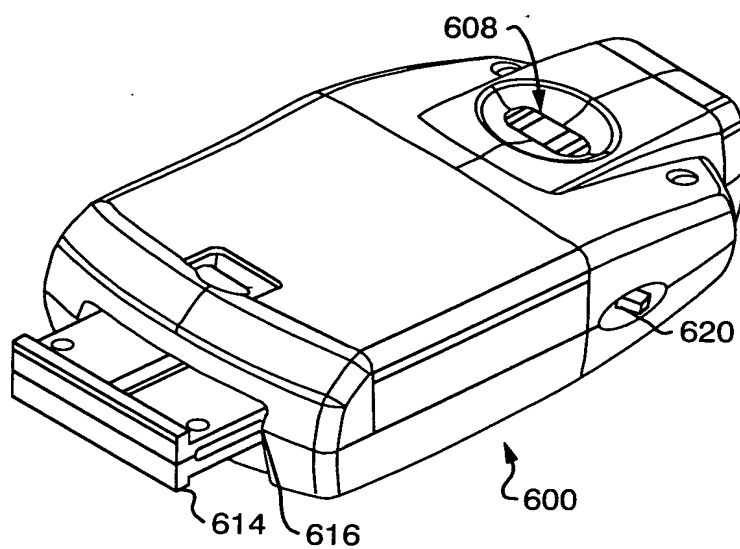


FIG. 34C

660F50: 59F60E60

660750-59160260

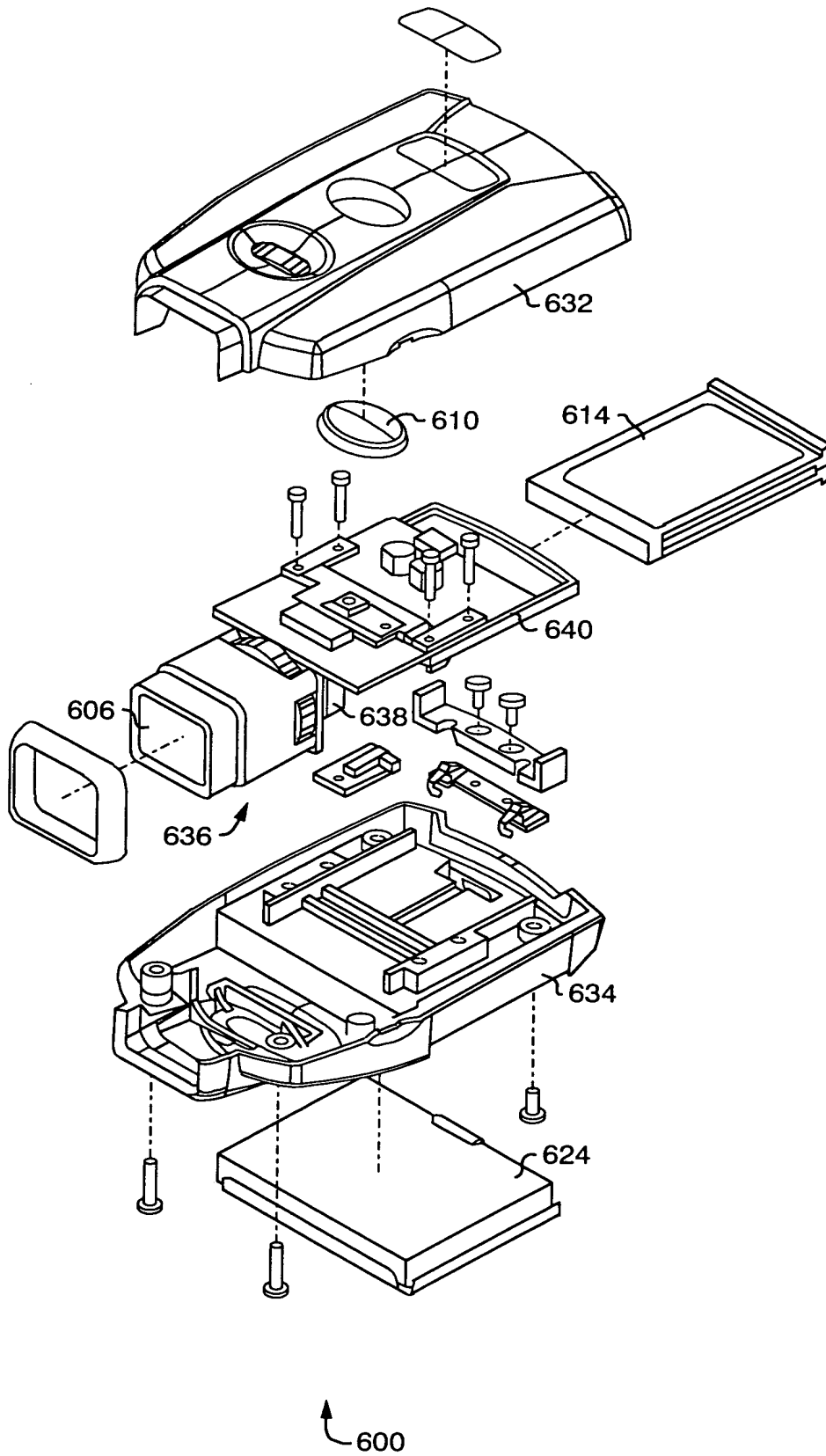


FIG. 34D

660F90-89T60E60

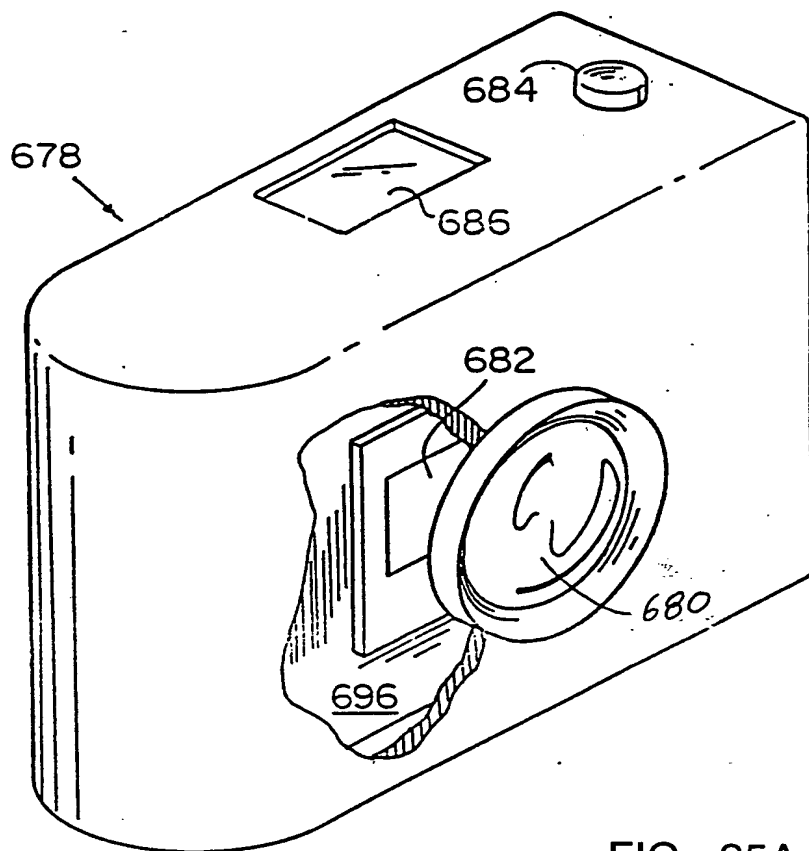


FIG. 35A

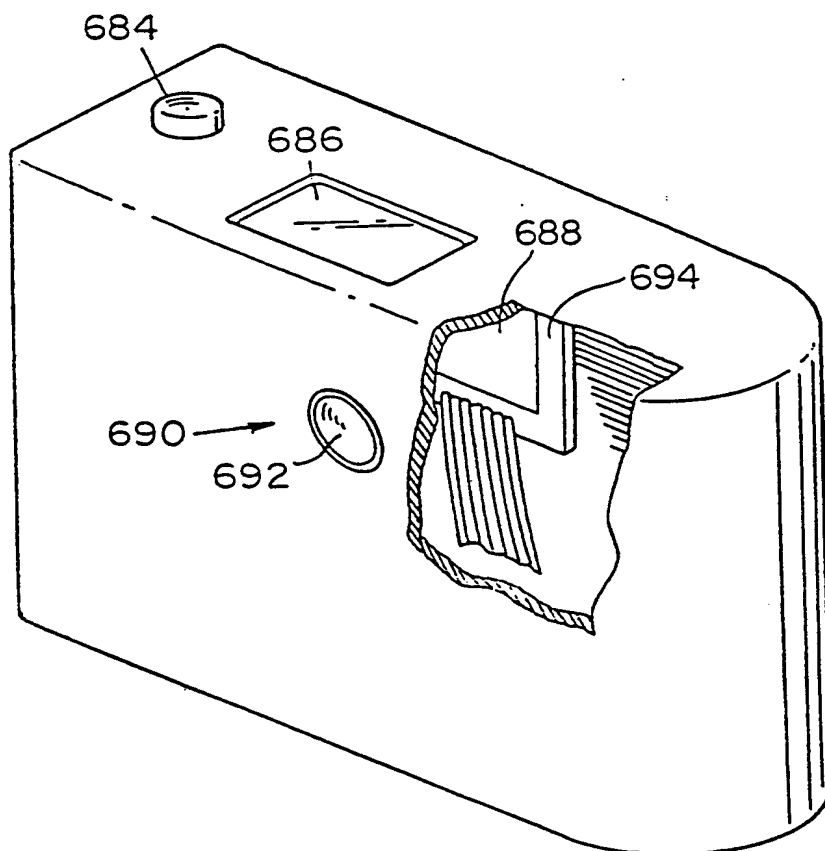


FIG. 35B

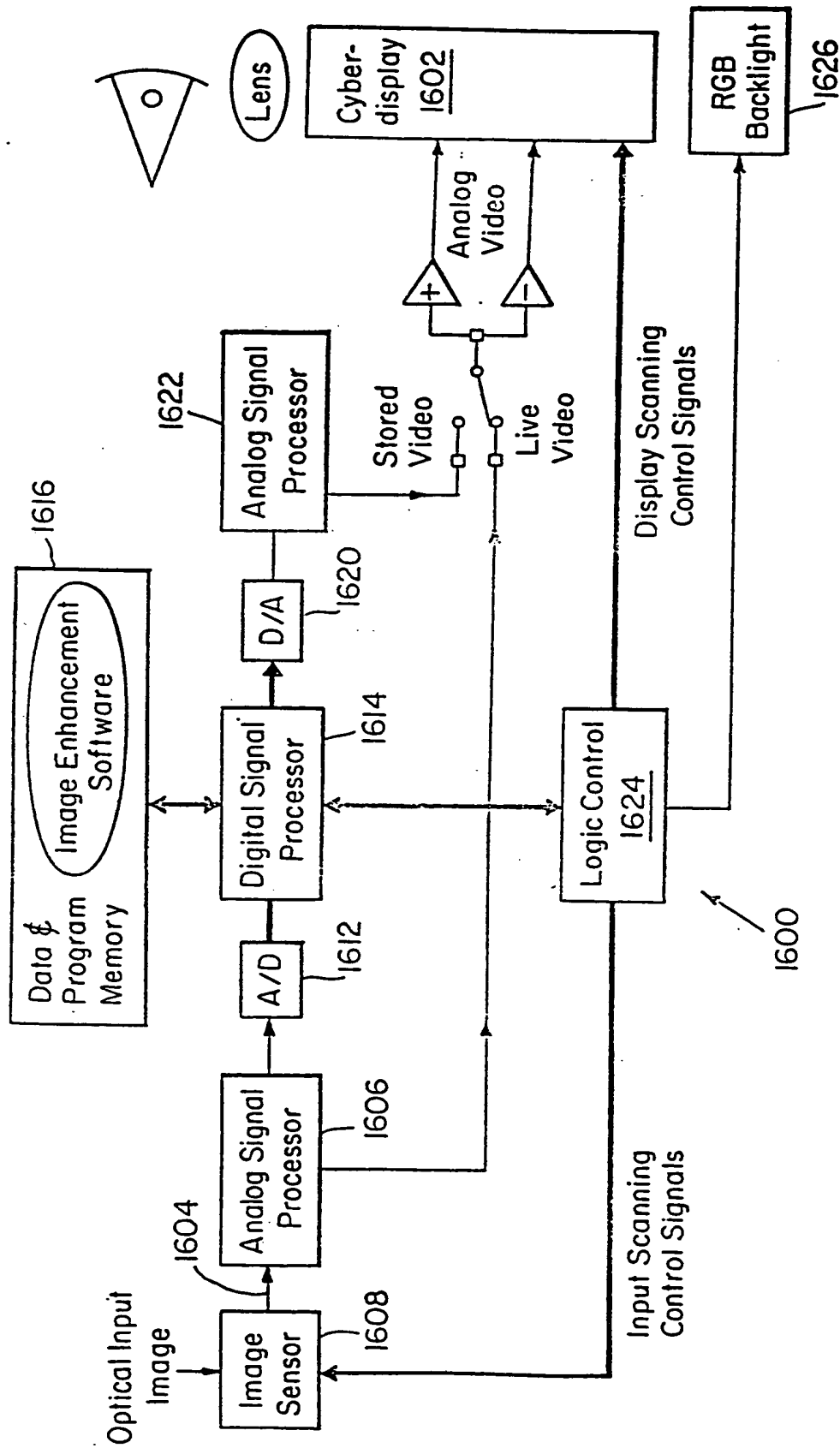


FIG. 35C

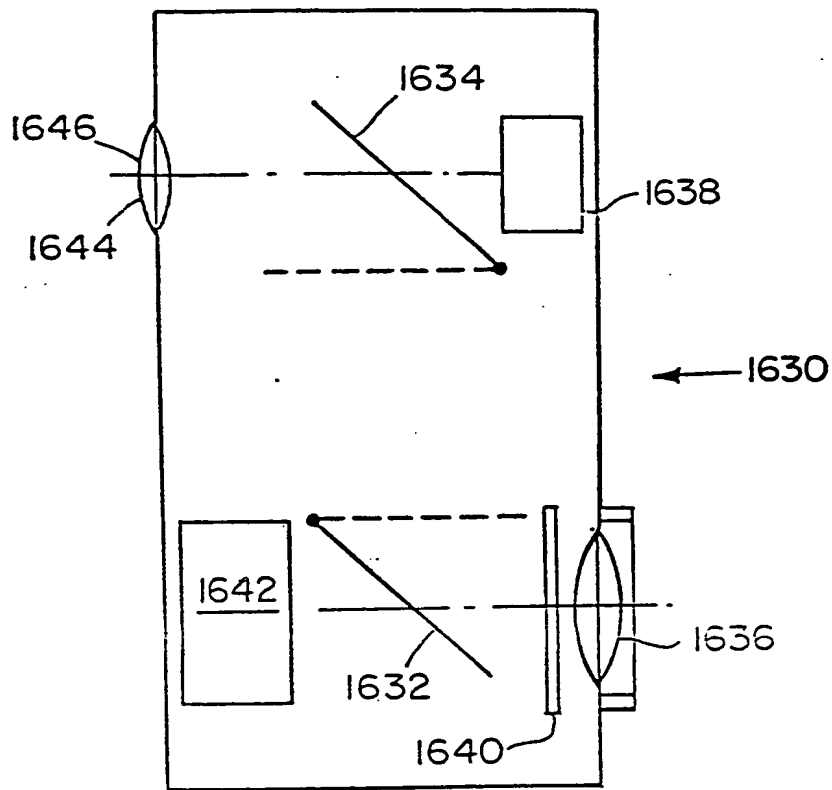


FIG. 35D

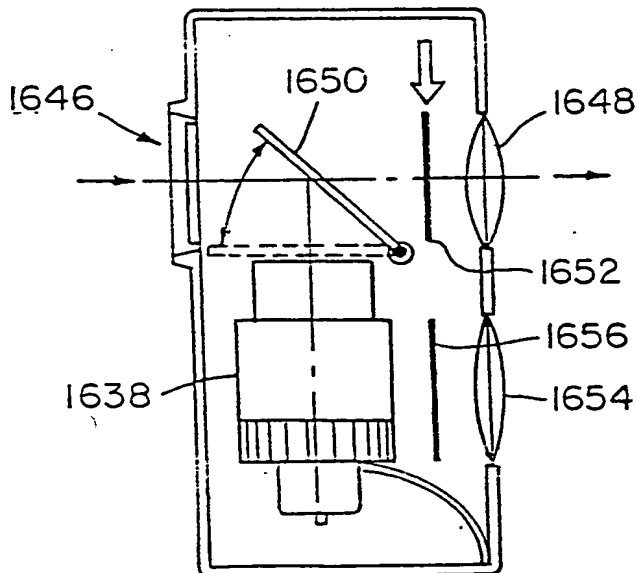
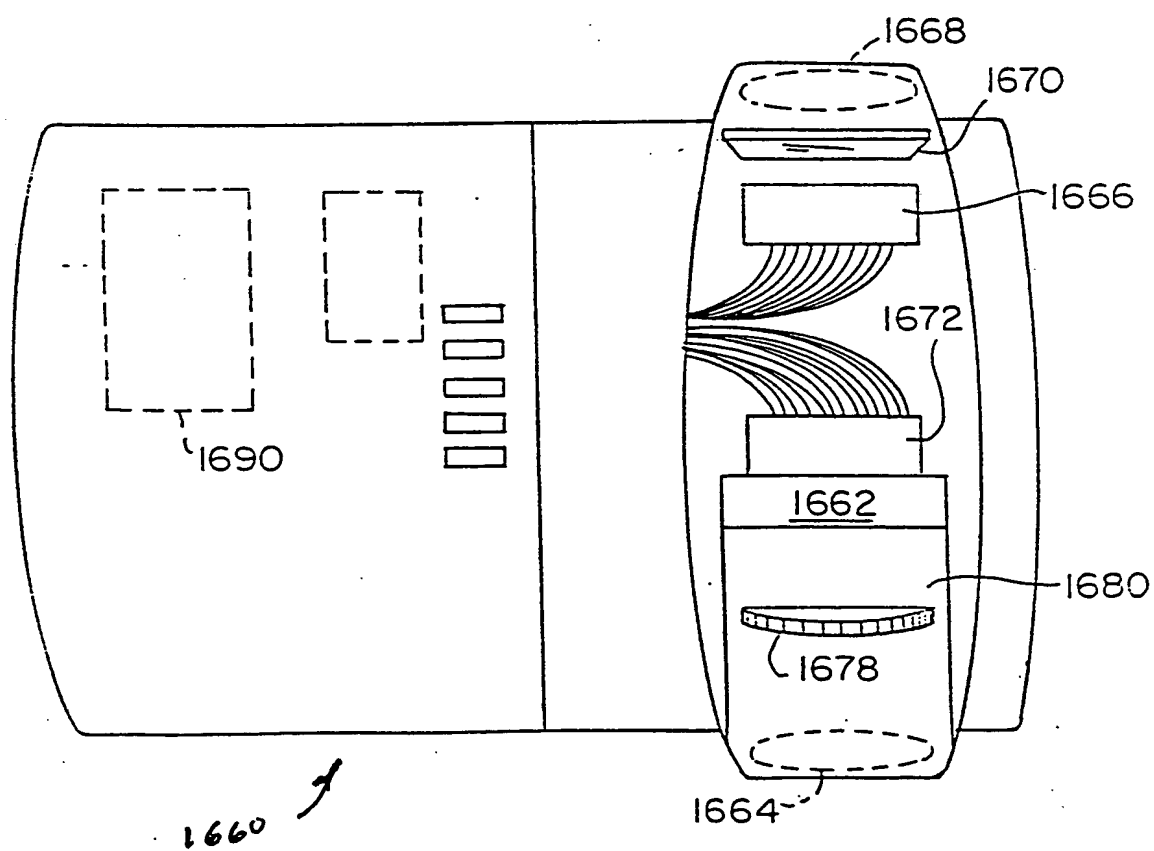
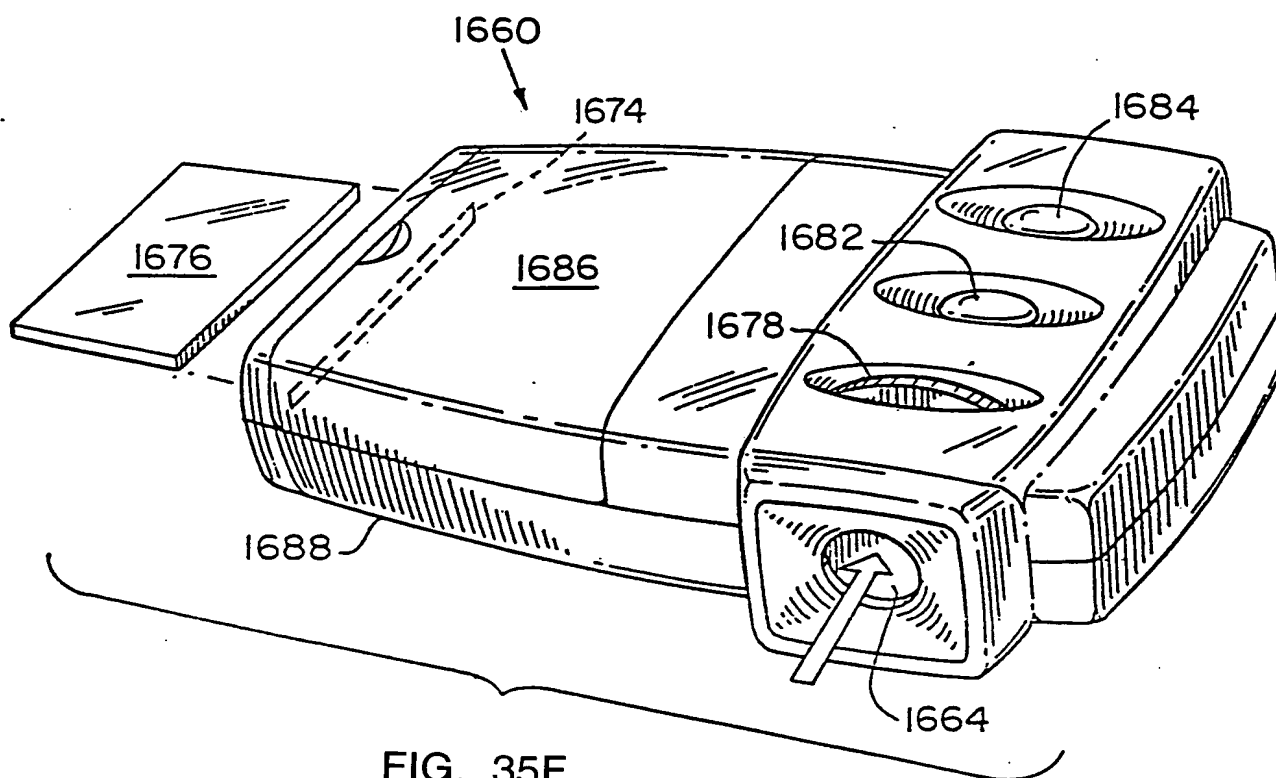


FIG. 35E



660F50" 89F60E60

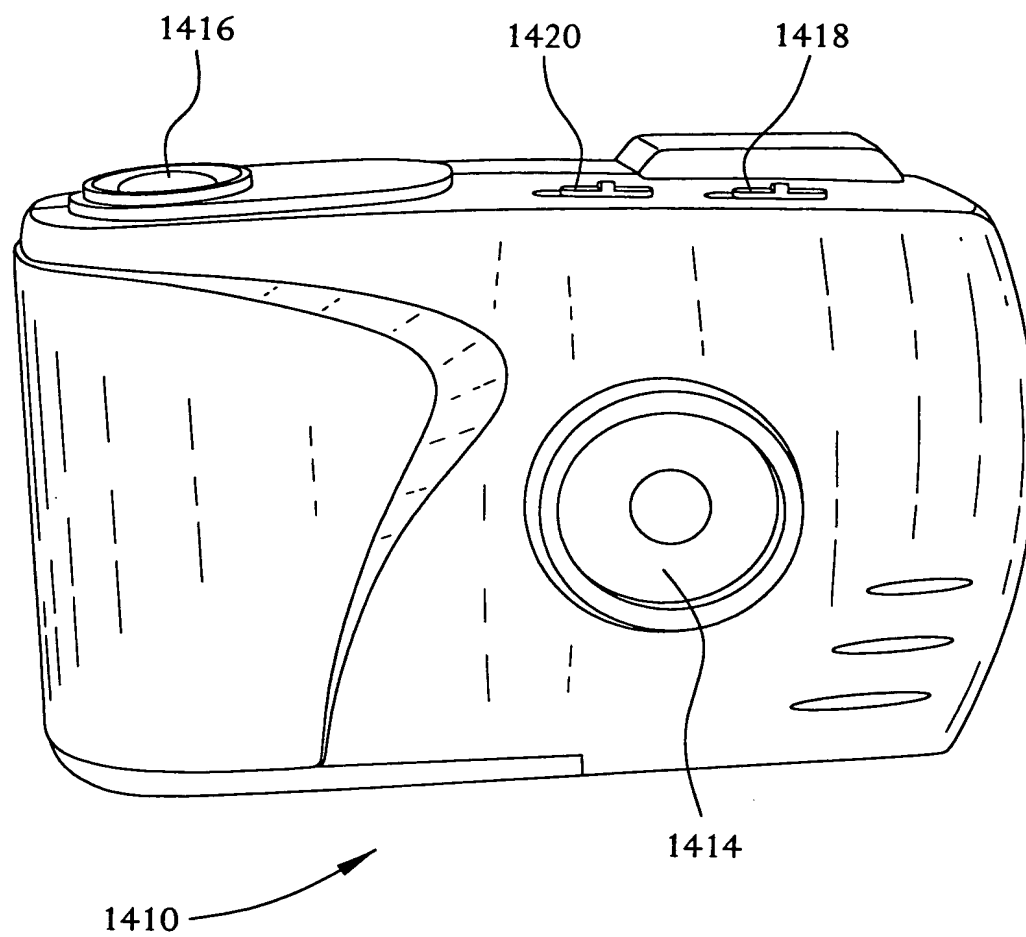


FIG. 35H

FIG. 35I

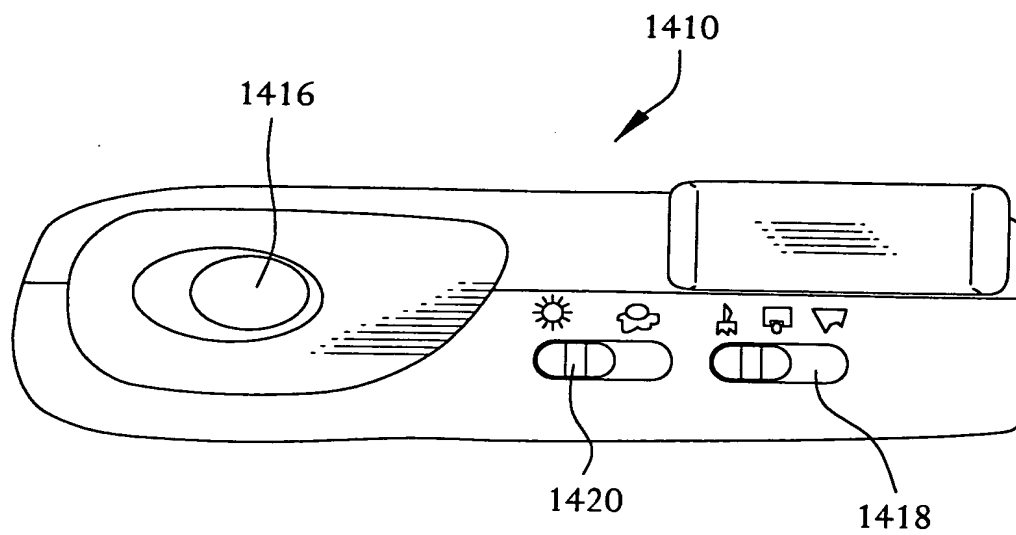


FIG. 35J

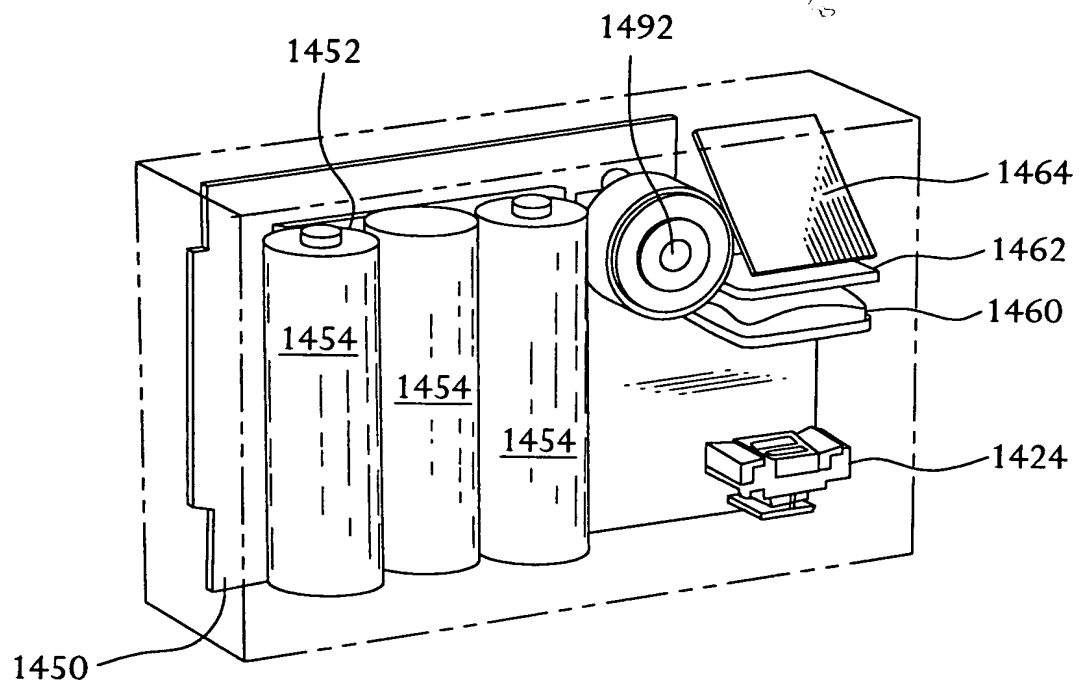


FIG. 35K

660450-9160260

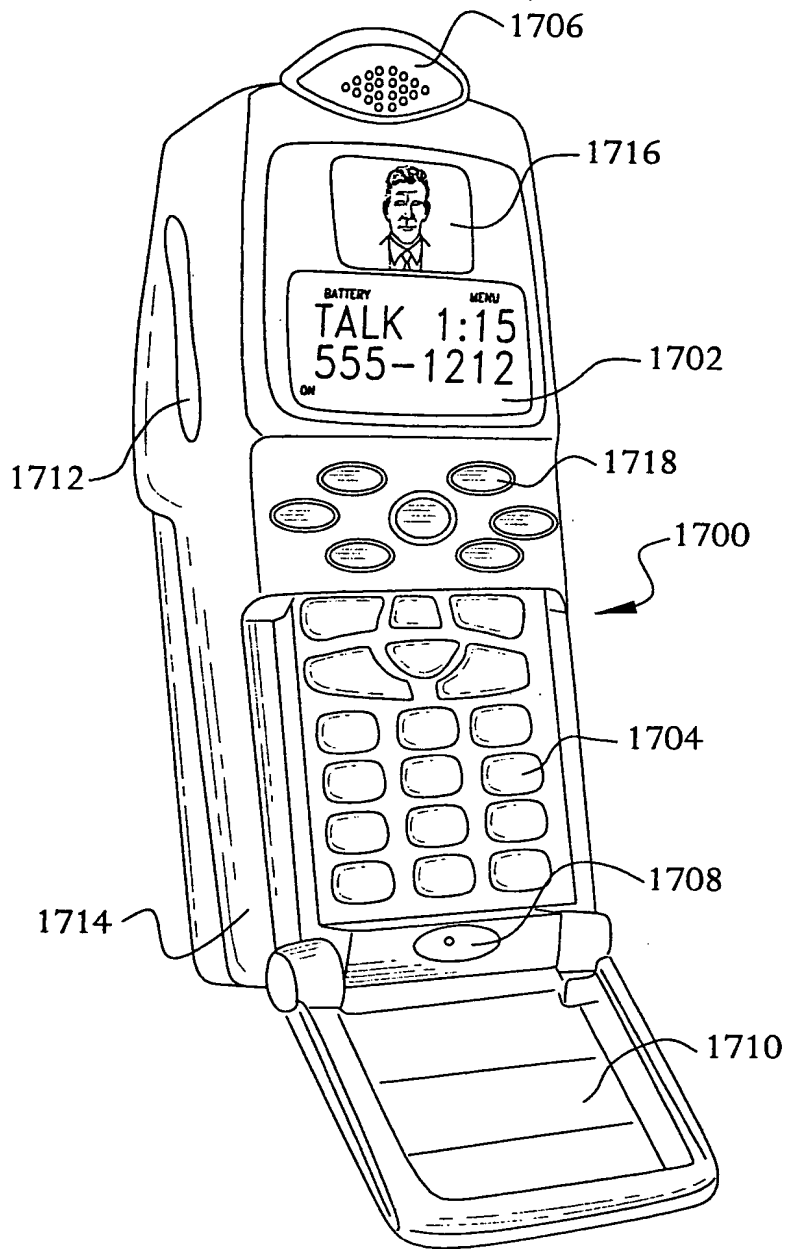


FIG. 36A

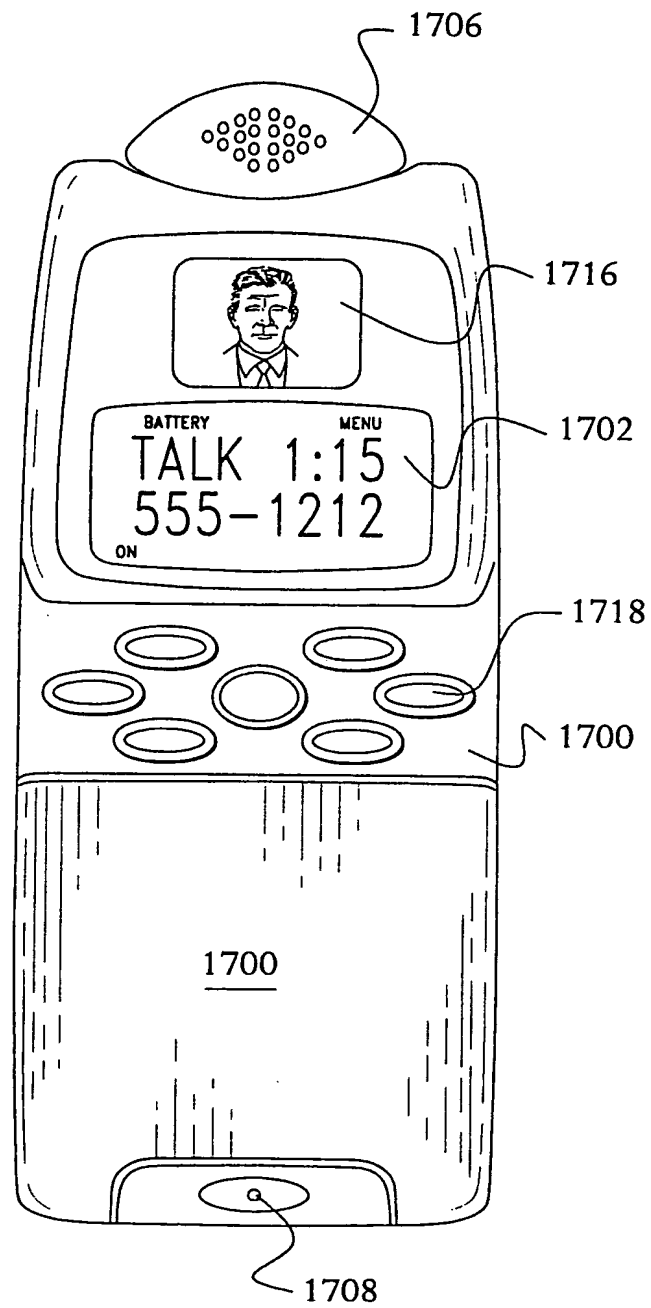


FIG. 36B

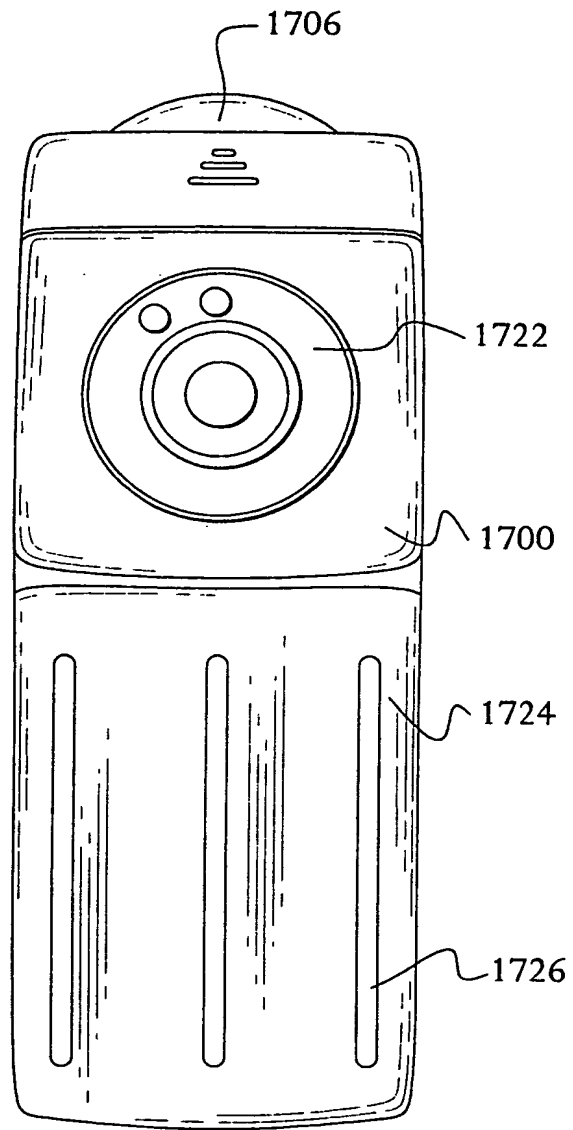


FIG. 36C

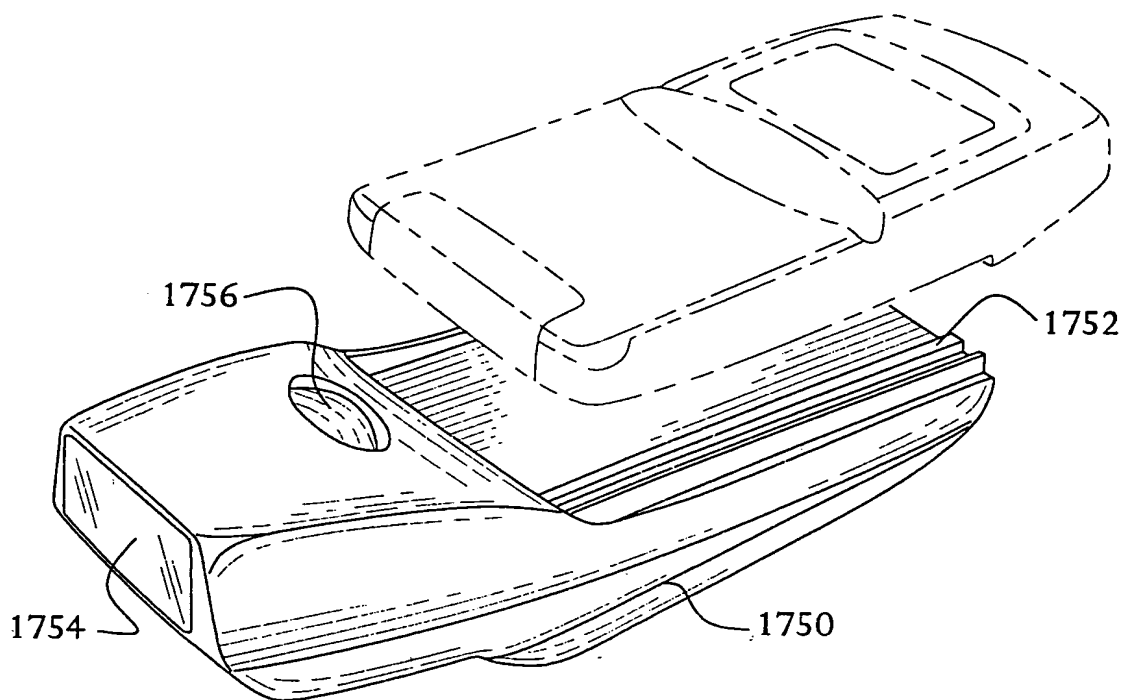


FIG. 37A

660750-5976000

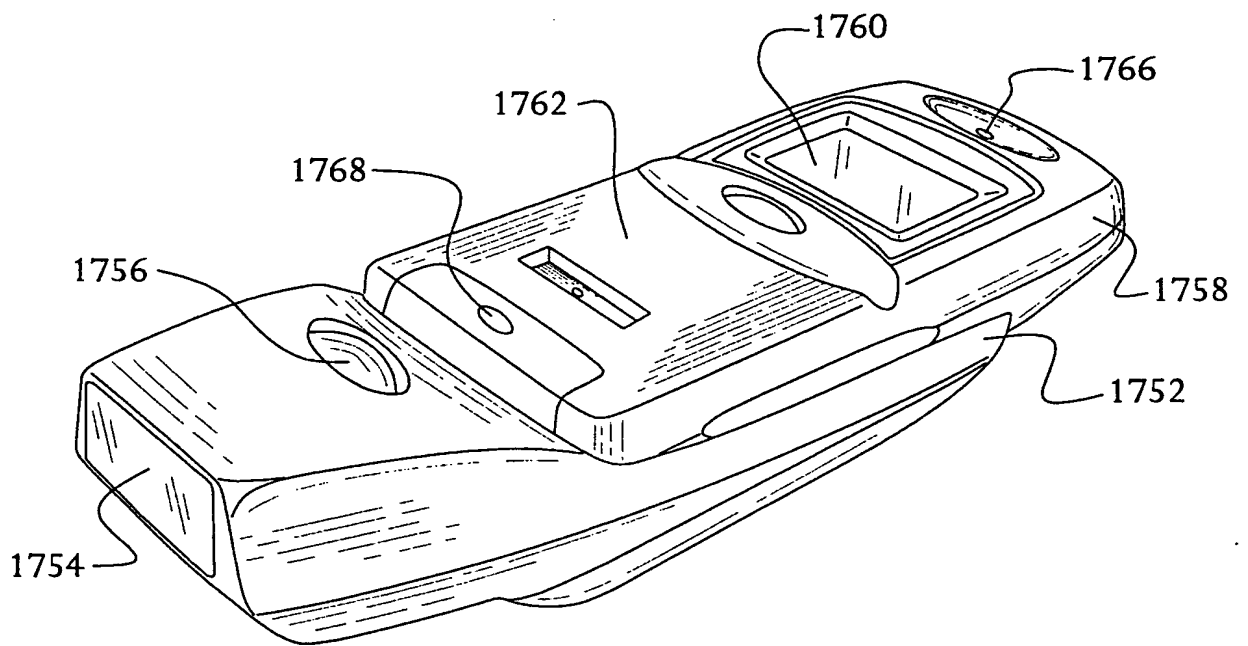


FIG. 37B

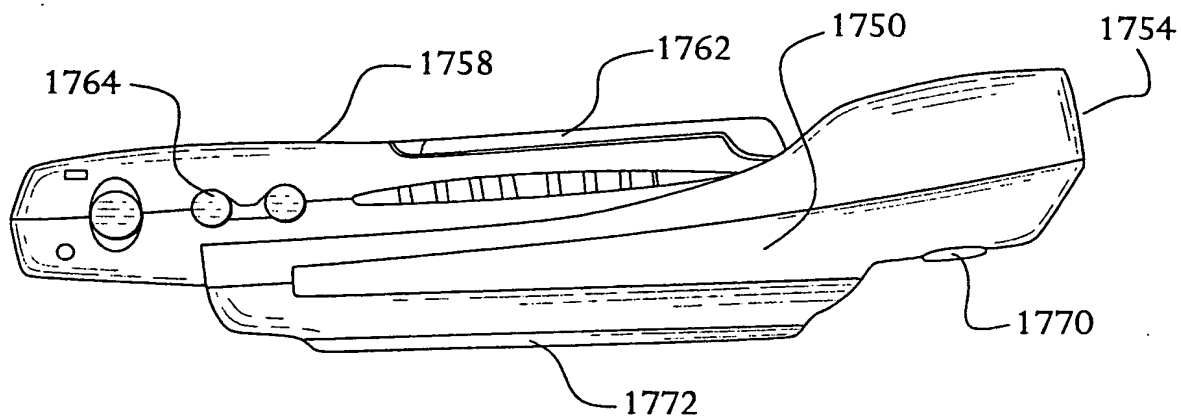


FIG. 37C

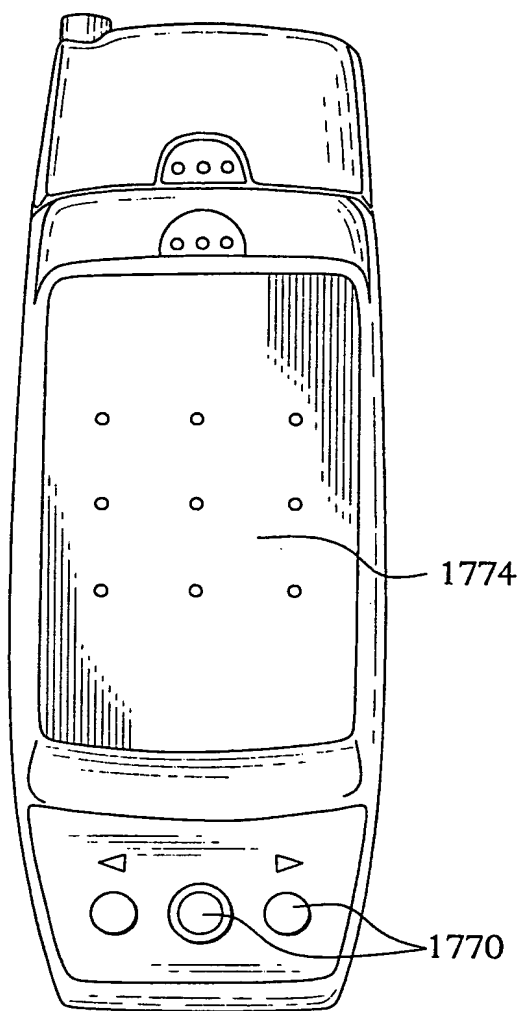


FIG. 37D

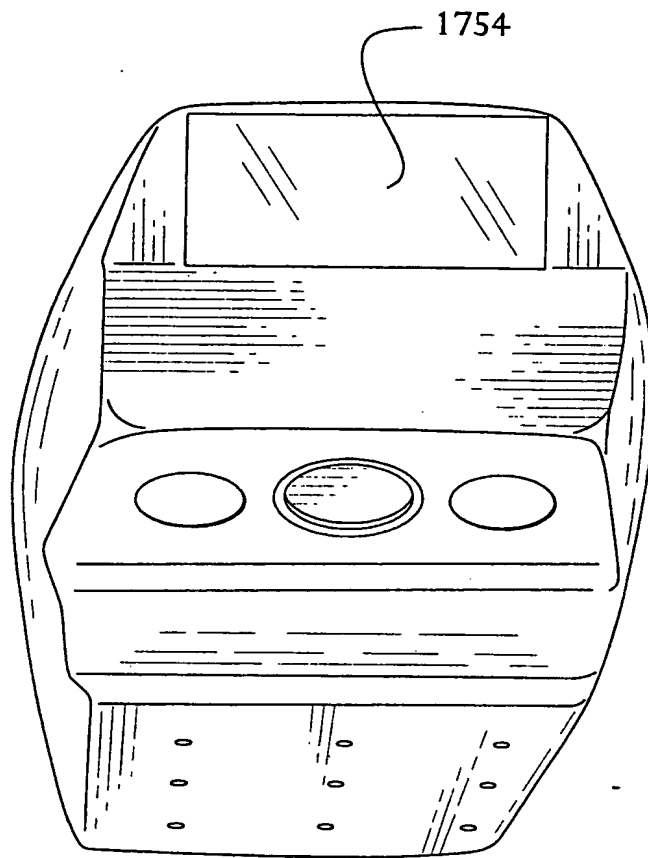


FIG. 37E

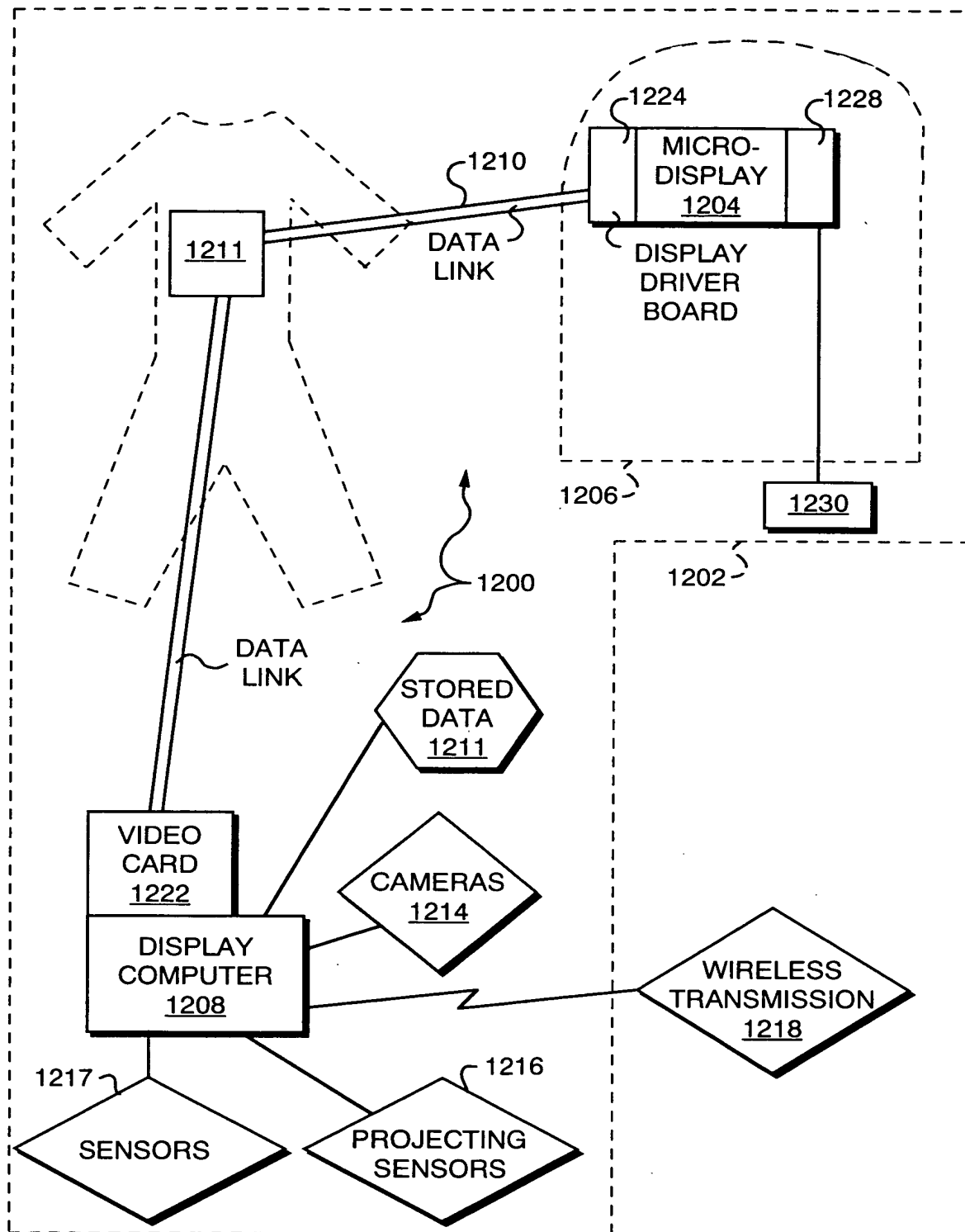


FIG. 38A

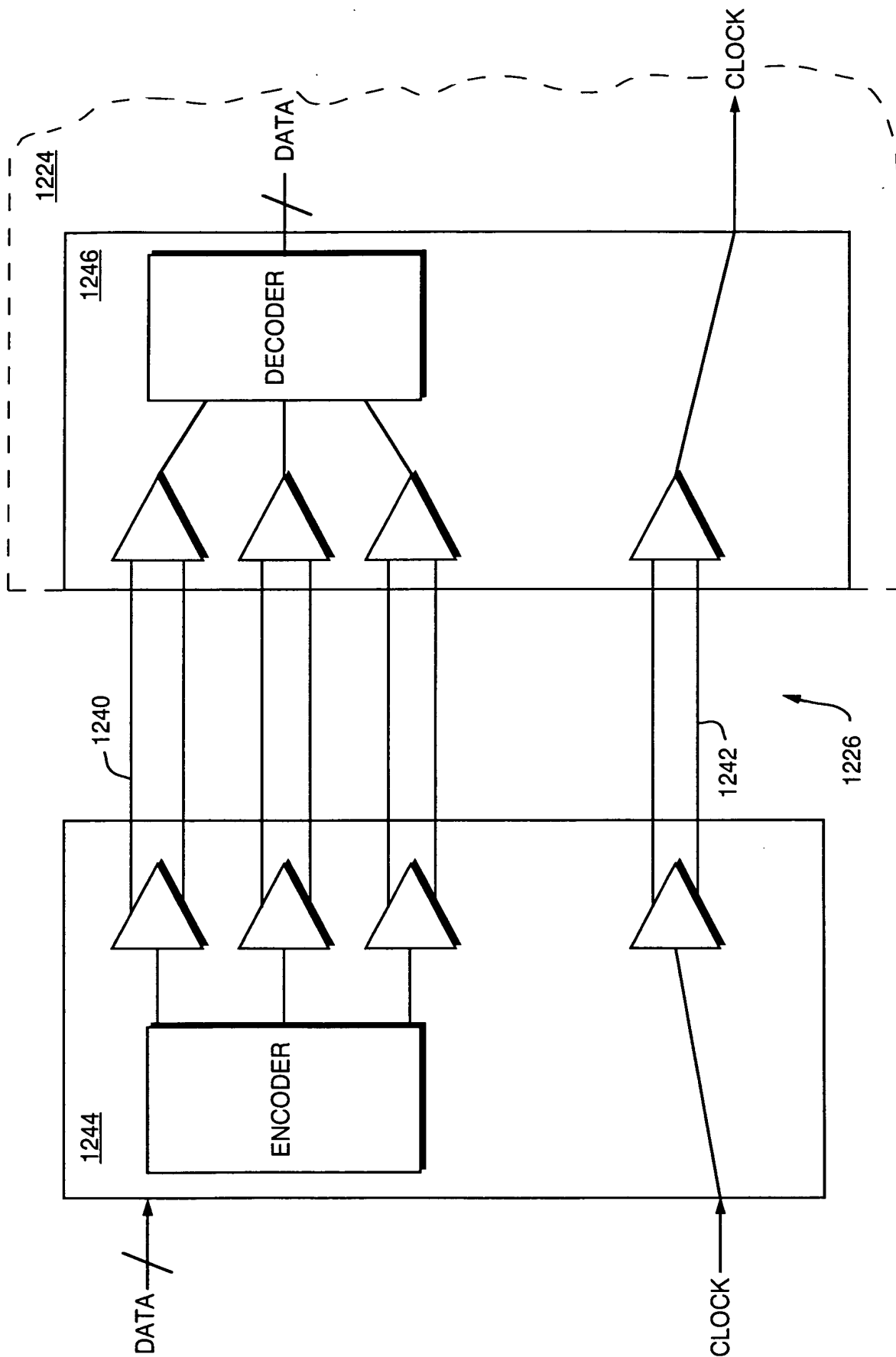


FIG. 38B

660F50-59F60E60

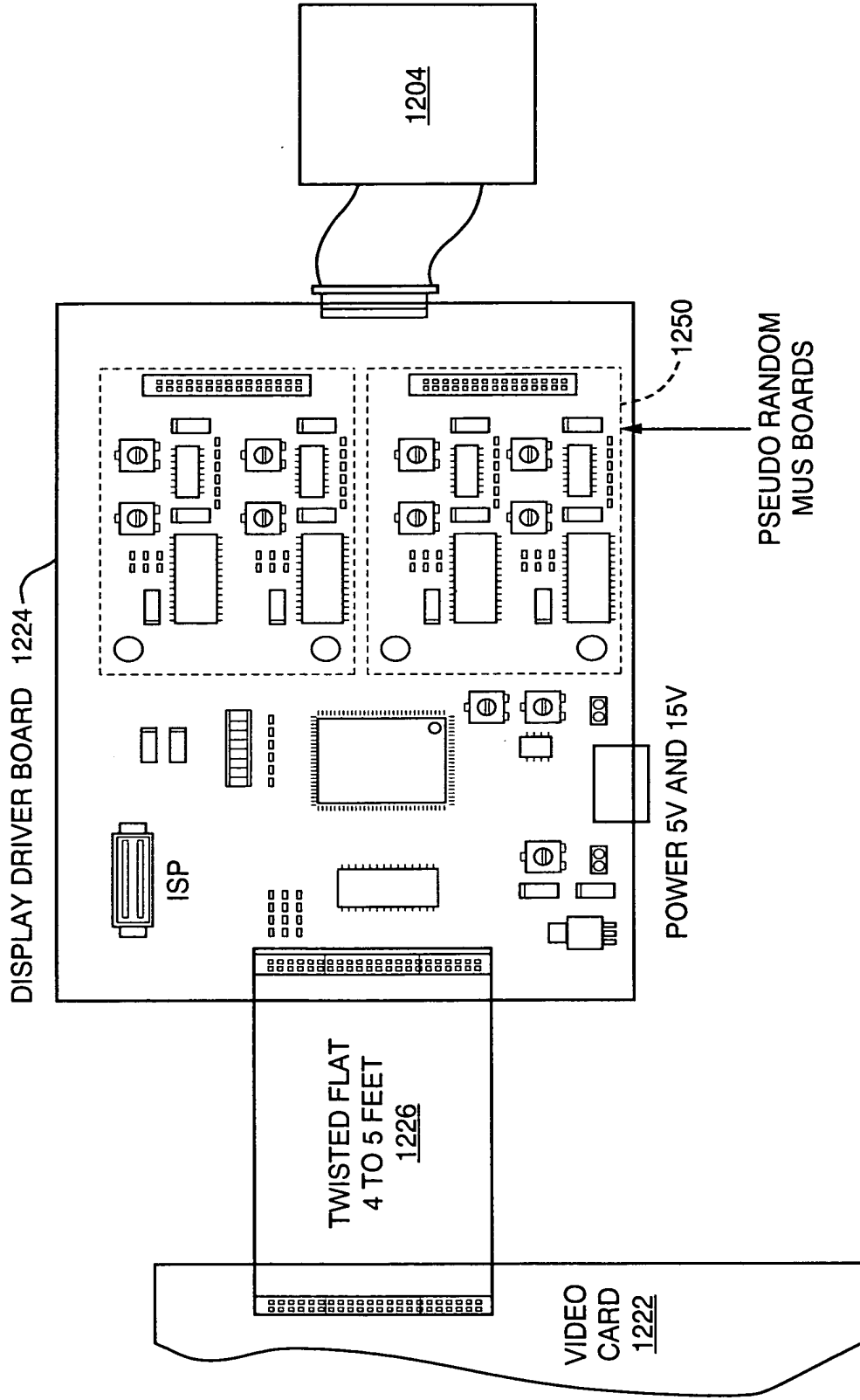


FIG. 38C

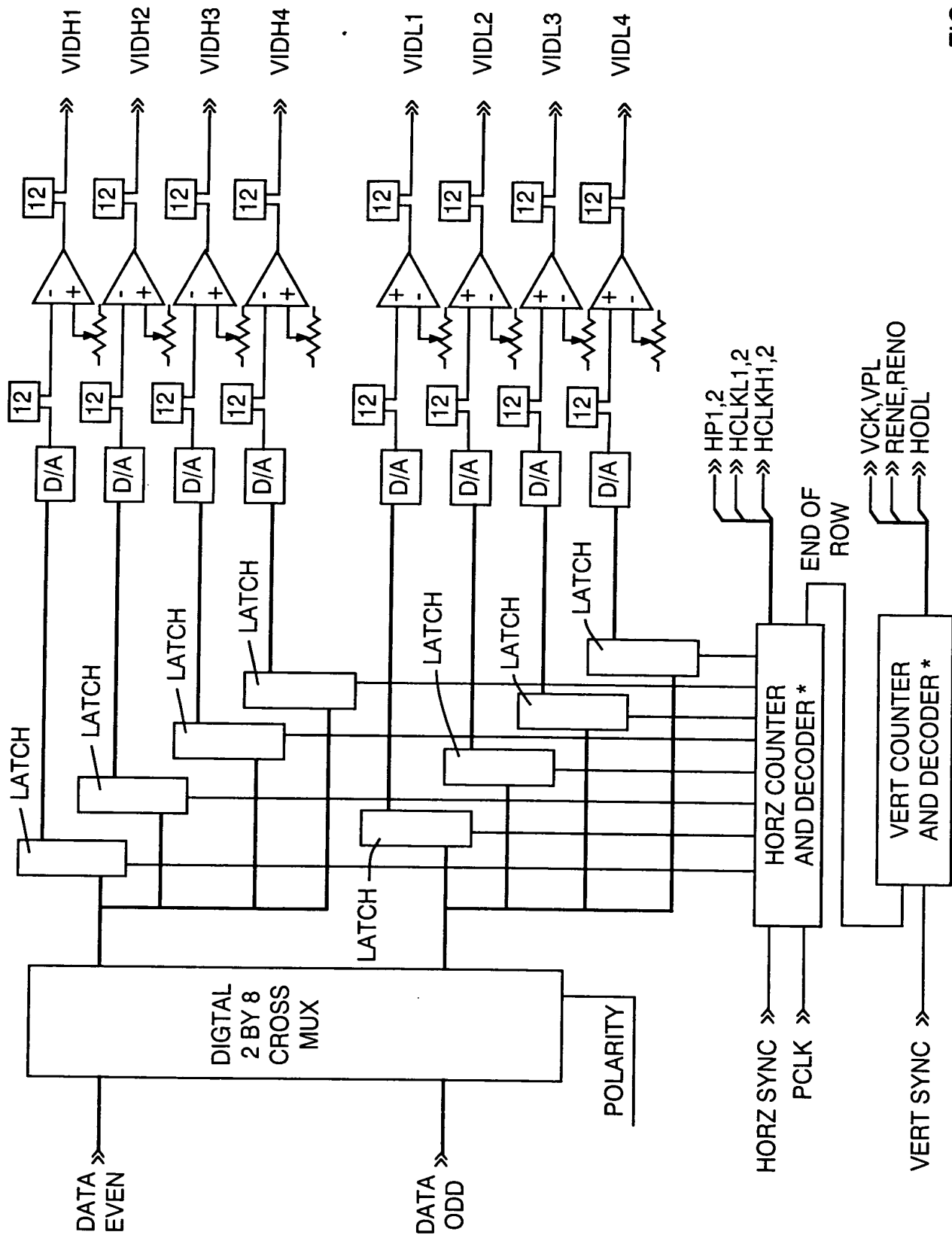


FIG. 38D

60750-5460E60

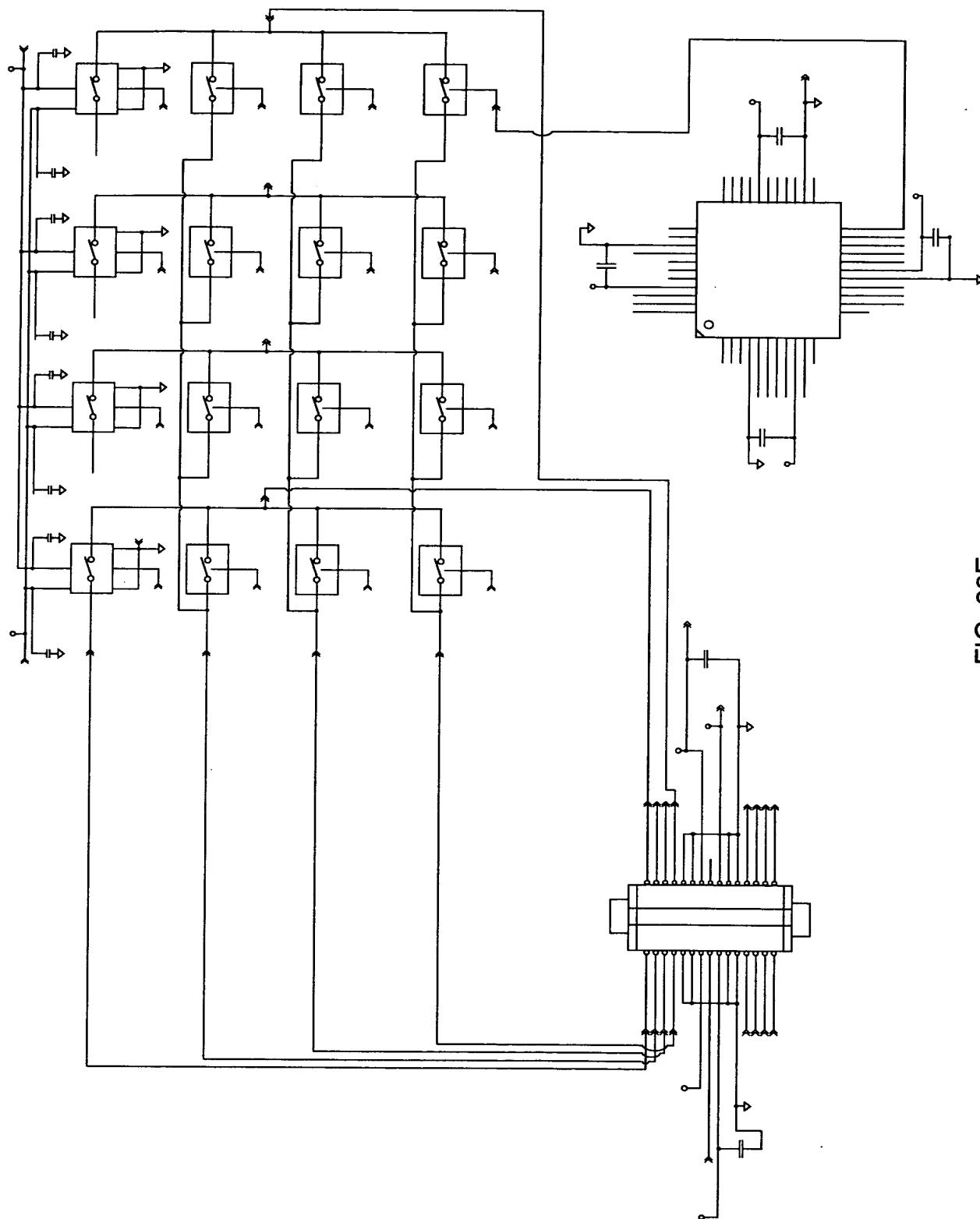


FIG. 38Ea

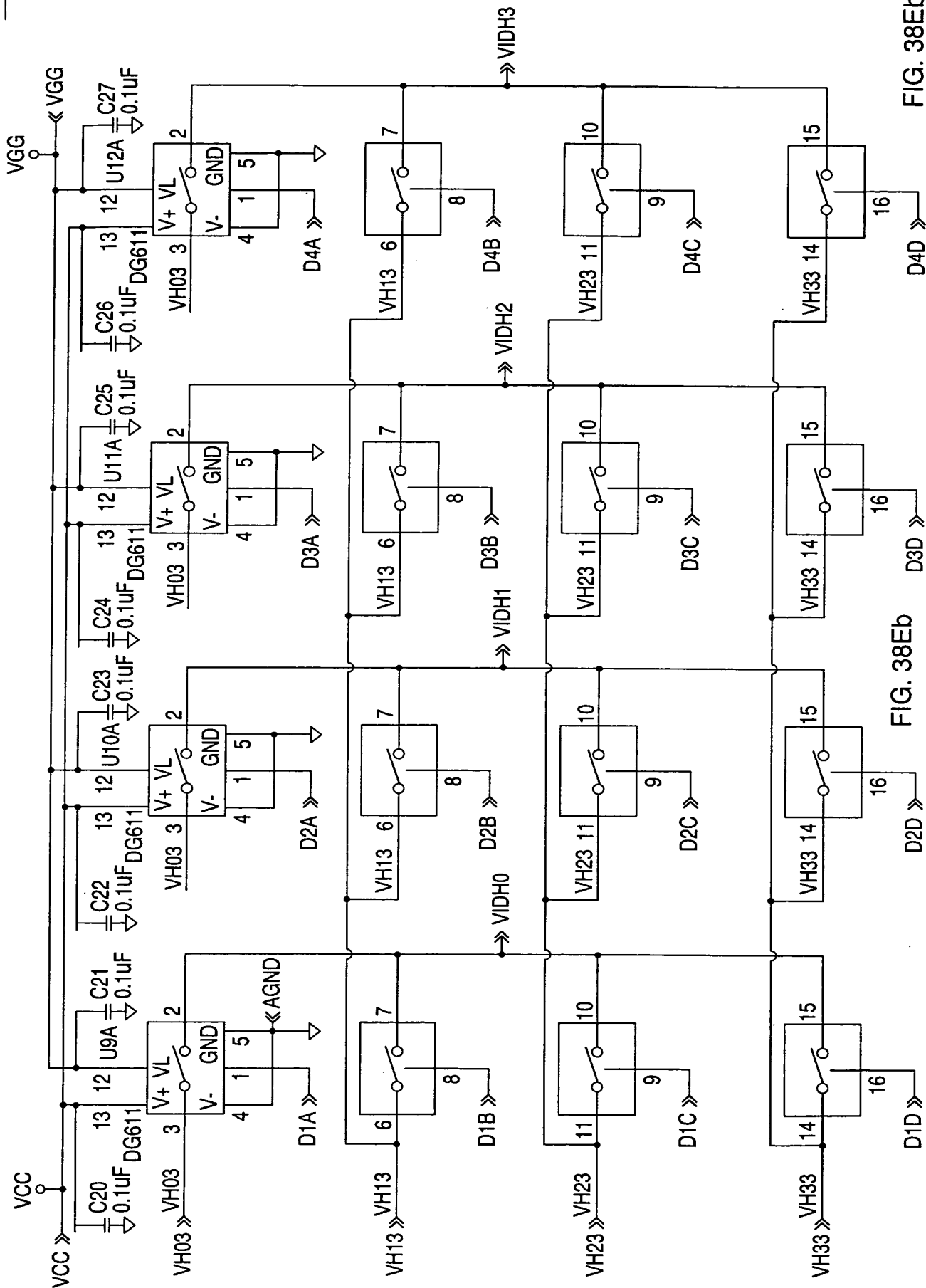


FIG. 38Eb

FIG. 38Eb